

Grand Traverse County Board of Public Works
3848 Veterans Drive, Traverse City, MI 49684
Garfield Township Hall

Thursday, February 10, 2022 at 9:00 a.m.

Meeting Agenda

2022 Officers:

Chair:	Jeff Shaw, Elmwood Township
Vice-Chair:	Doug White, Acme Township
Secretary:	Rob Lajko, Rural Townships

CALL TO ORDER

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC COMMENT- Refer to Rules and Public Comment/Input

APPROVAL OF AGENDA

REPORTS

1. Jacobs's Monthly Operating Report	1
2. Engineer of Record	
3. Shop Manager	
4. Director	23
a. Finance Committee	24
5. Board Members	

CONSENT CALENDAR

The purpose of the Consent Calendar is to expedite business by grouping non-controversial items together to be dealt with by one Board motion without discussion. Any member of the Board, staff or the public may ask that any item on the Consent Calendar be removed and placed elsewhere on the agenda for full discussion. Such requests will be automatically respected. *If any item is not removed from the consent calendar, the following items are approved by a single Board action adopting the consent calendar with a MAJORITY ROLL CALL VOTE.*

APPROVAL OF MEETING MINUTES: January 5, 2022.....	34
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ITEMS Approved by Staff

1. DPW Budget Status & Budget Amendments (2022)	50
<i>(Claims and claims reports are available for review at any time upon request.)</i>	
2. Jacobs Monthly Operations (\$21,576.84)	86
a. FPE Sunsource (\$30,814.27)	88

ITEMS TO BE PAID After Approval by Board

3. City of Traverse City November 2021 Sewer Charges (\$267,549.15).....	89
4. City of Traverse City December 2021 Sewer Charges (\$108,064.80).....	108
5. City of Traverse City November 2021 – Water Charges Garfield (\$46,711.73).....	133
6. City of Traverse City December 2021 – Water Charges Garfield (\$39,603.70).....	136
7. City of Traverse City November 2021 – Water Charges Peninsula (\$3,494.40).....	139
8. City of Traverse City December 2021 – Water Charges Peninsula (\$3,129.10).....	142
9. City of Traverse City November 2021 – Water Charges Elmwood (\$784.91).....	145
10. City of Traverse City December 2021 – Water Charges Elmwood (\$749.95).....	148
11. Gourdie-Fraser (None)	
12. Olson, Bzdok, & Howard (None)	

ACTION REQUESTED-A Motion to approve the Consent Calendar with a Roll Call Vote

UNFINISHED BUSINESS

NEW BUSINESS

- | | |
|--|-----|
| 1. Memo Re: DPW Update..... | 151 |
| 2. Memo Re: DPW Responsibilities..... | 152 |
| 3. NTH Proposal for SBR Roof Repairs Bid Support & Construction Oversight..... | 154 |
| a. Estimate of Cost for Roof Repairs..... | 166 |

PUBLIC COMMENT - Refer to Rules and Public Comment/Input

NOTICES: As listed

1. The next regular BPW Finance Committee Meeting will be held on March 2, 2022, at 1:00 p.m. in the Large Conference Room in the Public Services Building at 2650 LaFranier Rd.
2. The next regular meeting of the Board of Public Works will be held on March 10, 2022, at 9:00 a.m. in the Meeting room at GARFIELD TOWNSHIP HALL, 3848 Veterans Drive.

ADJOURNMENT

Link to website for agenda & packet

http://www.co.grand-traverse.mi.us/departments/public_works/Agenda_Packets.htm

You can find videos of the meetings at: <http://upnorthmedia.org/watchgovtv.asp?SDBFid=2365>

RULES AND PUBLIC COMMENT / INPUT

1. All cell phones shall be switched to silent mode or turned off.
2. Any person may make a video, audio or other record of this meeting. Standing equipment, cords, or portable microphones must be located so as not to block audience view.
3. Any person shall be permitted to address a meeting of the Board of Public Works which is required to be open to the public under the provision of the Michigan Open Meetings Act, as amended. (MCLA 15.261, *et.seq.*) Public Comment shall be carried out in accordance with the following Board Rules and Procedures:
 - A. Any person wishing to address the Board shall state his or her name and address.
 - B. No person shall be allowed to speak more than once on the same matter, excluding time needed to answer Board Member's questions. The Chairperson shall control the amount of time each person shall be allowed to speak, which shall not exceed (3) minutes.
 - i. Chairperson may, at his or her discretion, extend the amount of time any person is allowed to speak.
 - ii. Whenever a group wishes to address the Board, the Chairperson may require that the group designate a spokesperson; the Chairperson shall control the amount of time the spokesperson shall be allowed to speak, which shall not exceed fifteen (15 minutes).

AUXILIARY AIDS AND SERVICES

Grand Traverse County will provide reasonable auxiliary aids and services; such as, signers for the hearing impaired or audio tapes of printed materials being considered at the meeting, to individuals with disabilities at the meeting upon (48) forty-eight hours-notice to Grand Traverse County. Individuals with disabilities requiring auxiliary aids or services should contact the Grand Traverse County Department of Public Works at (231) 995-6039.

Link to website for agenda & packet
http://www.co.grand-traverse.mi.us/departments/public_works/Agenda_Packets.htm

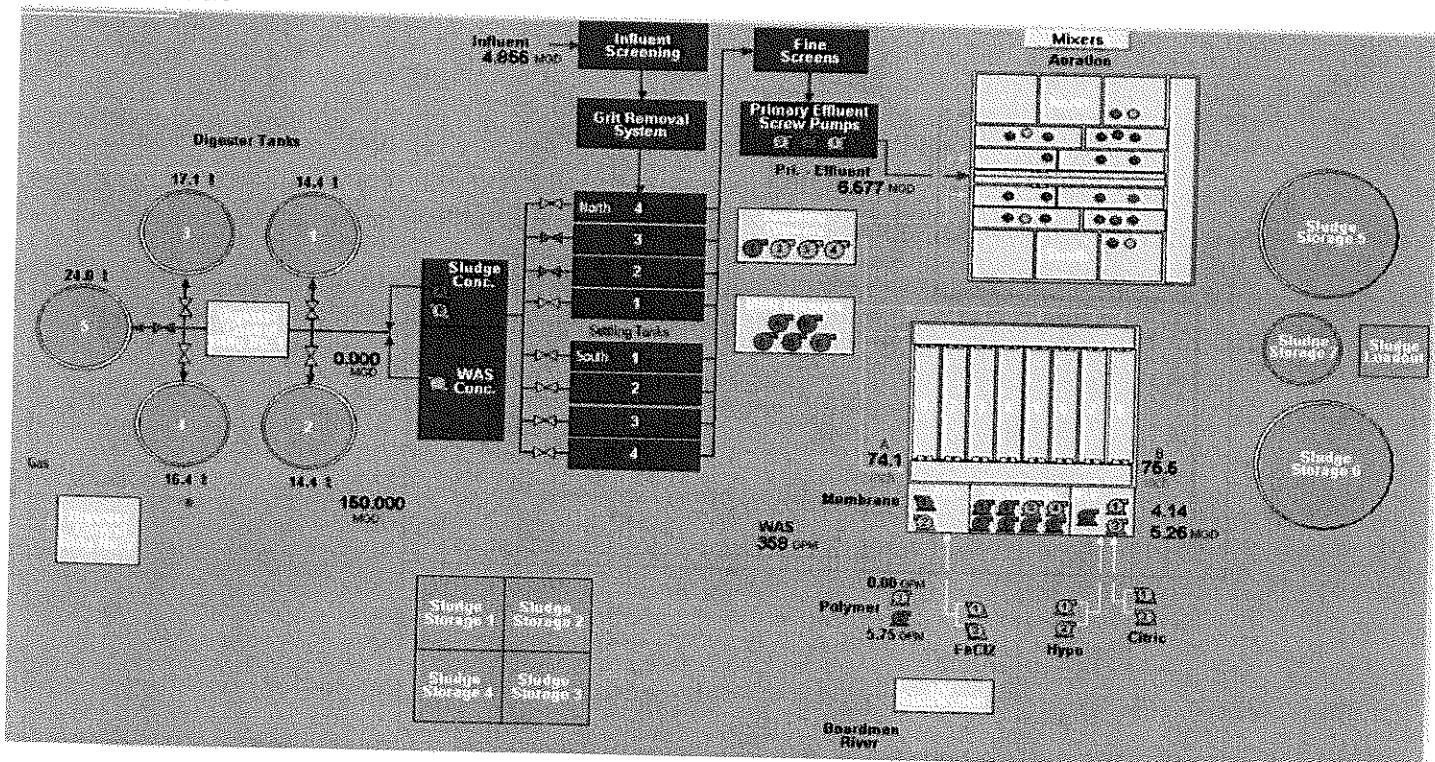
You can find videos of the meetings at: <http://upnorthmedia.org/watchgovtv.asp?SDBFid=2365>

Jacobs Monthly Operations Report

Subject: December 2021
Date: January 15, 2022
To: Marty Colburn, City Manager-City of Traverse City
John Divozzo, Grand Traverse County Director of Public Works
From: Mark Huggard, Project Manager
Copied: Art Krueger, Director of Municipal Utilities
Benjamin Marentette, City Clerk
Traverse City Commission
Grand Traverse County Board of Public Works
Kevin Dahl, Jacobs, Regional Director
Nick Lenzi, Jacobs, Regional Business Manager
Liz Hart, Jacobs, Midwest Senior Operations Specialist
Attachments:
TCRWWTP Monthly Discharge Monitoring Report, submitted to the State via MiWaters
City and Township Monthly BOD Loadings Summary
Monthly Financial Summaries for the TCRWWTP and GTCSTF
TCRWWTP Equipment Status Overview
TC Lift Stations Status Overview
Capital Improvement/Repair Initiatives for TCRWWTP and GTCSTF

TCRWWTP

Plant Schematic



The general condition and operating status of the equipment used at the treatment facility and related lift stations, as well as issues of concern; are summarized in the attached TCRWWTP Equipment Status Overview and TC Lift Stations Status Overview Tables or in the TCRWWTP Capital Improvement/Repair Initiatives Table.

Compliance

The treatment facility was in full compliance with its discharge permit through the month of December.

Industrial Pretreatment

Sara Lee submitted their quarterly self-monitoring report (SMR) on time and were found to be incompliance with their discharge permit. Subsequent to receiving their SMR, we received notice from Sara Lee that the total suspended solids concentration at their Outfall-001 was above permitted limits. As a result of this exceedance, they were issued a Notice of Violation (NOV). They were back in compliance by the end of the month.

CRM's final inspection of the year was conducted on 12-13-21. The only resulting finding, was a total toxic organics sampling error. As a result of this sampling error, the Control Authority issued an NOV. CRM resampled for total toxic organics on 12-20-21, results are pending.

A change in personnel resulted in AlcoTec not submitting their zero-discharge report by the deadline. When informed of the reporting requirements, AlcoTec's new personnel produced the related information in an expeditious manner and there were no findings noted.

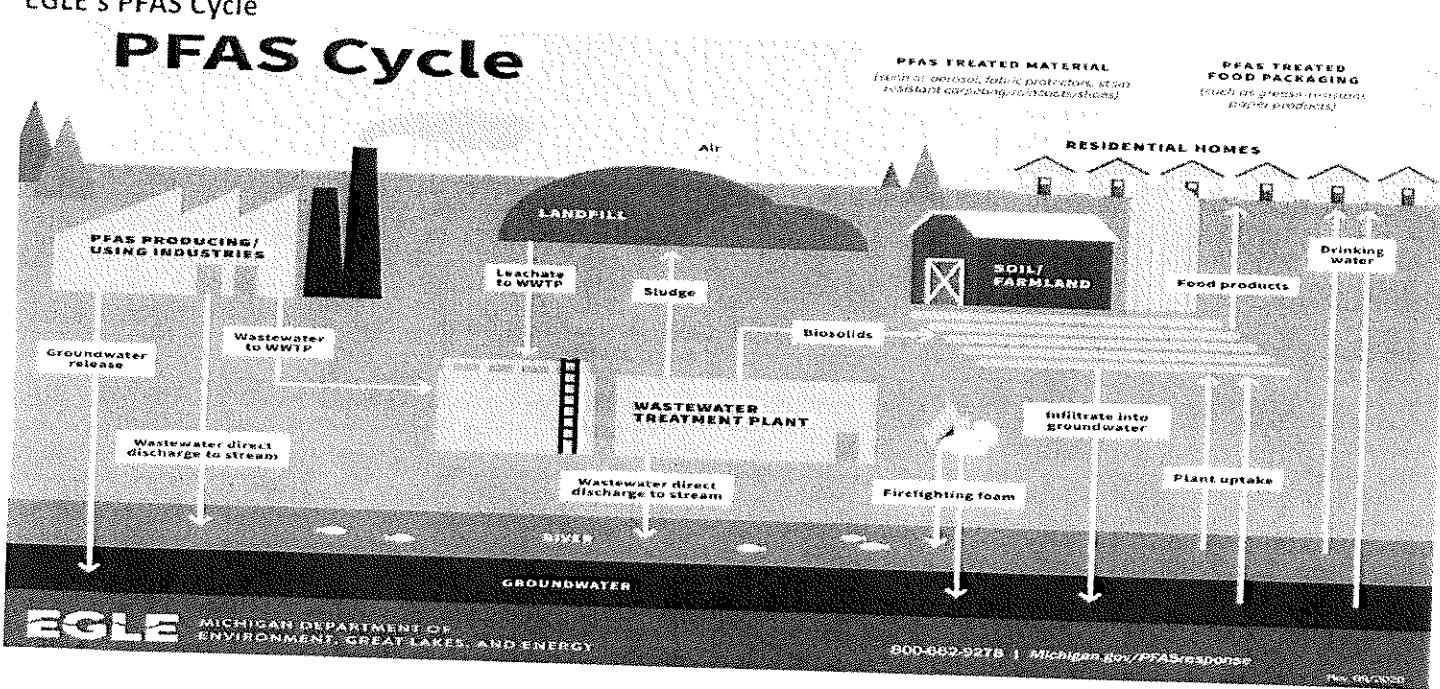
Great Lakes Stainless submitted their zero-discharge statement by the deadline.

As a result of elevated concentrations of oil and grease in their discharge, Normic Industries was issued an NOV. The Control Authority resampled directly from the facility's discharge piping (first sample was taken at the manhole) and found the facility to be in compliance. We then asked that Normic Industries clean their discharge line and wet well, which they have done. A follow-up inspection is scheduled.

Michigan Department of Environment, Great Lakes, and Energy (EGLE) PFAS Interim Strategy-Residual Management Plan Modification Updates

The Effluent Monitoring Report and the IPP Interim PFAS Status Report were submitted to EGLE via MIWaters.

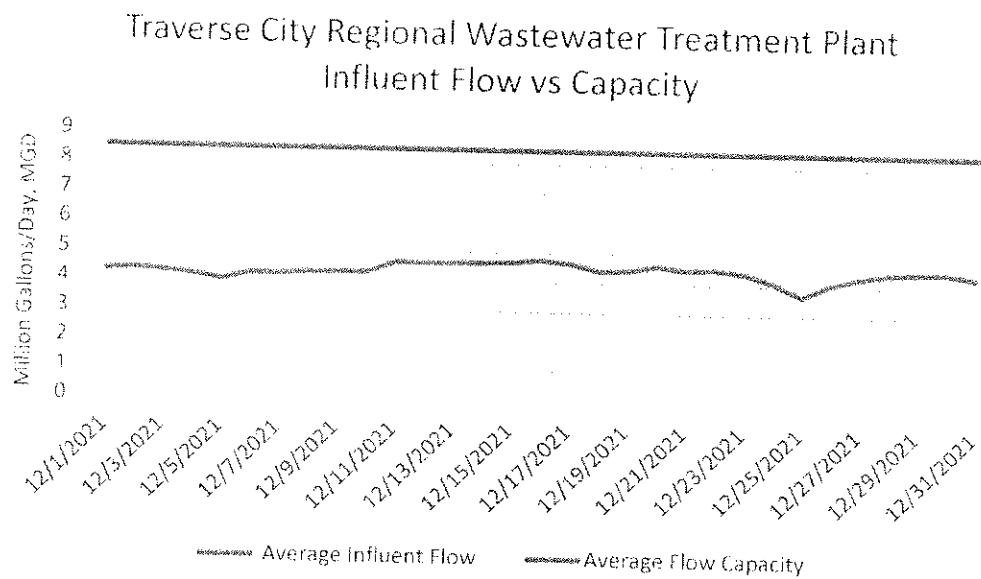
EGLE's PFAS Cycle



Capacity

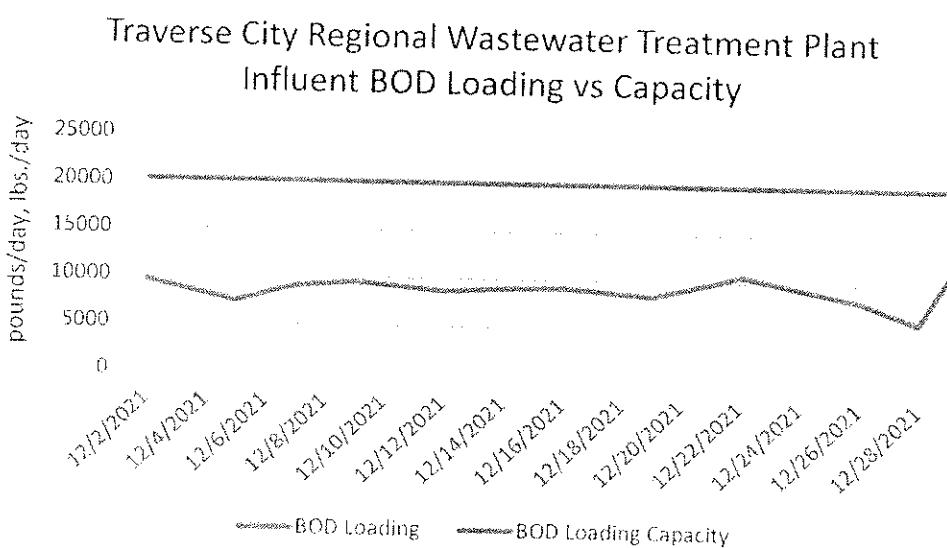
Wastewater Treatment Facilities are designed with a certain hydraulic (flow) and organic (Biochemical Oxygen Demand, BOD) loading capacity. The monthly average flow loading capacity of the TCRWWTP is 8.5 million gallons per day (mgd). The organic loading of pollutants is the measure of the presence of BOD in the waste stream entering the treatment facility in pounds per day (lbs./day) and represents the strength of the wastewater. The BOD loading capacity for the TCRWWTP is 20,200 lbs./day. The Michigan Department of Environment, Great Lakes and Energy (EGLE) requires that when a facility is within 80 percent of its design capacity, a plan be devised to either add capacity to a facility or reduce loadings. The graphs below compare current flows and loadings with plant capacity.

Influent Flow vs. Plant Capacity



The maximum average flow for December was 4.788 MGD, which is 56.3% of the plant's capacity. The monthly average influent flow was 4.405 MGD, which is 51.8% of the plant's capacity.

Biochemical Oxygen Demand (BOD) Loadings vs Plant Capacity



The maximum BOD loading for December was 11,142 lbs./day, which is 55.2% of the plant's capacity. The monthly average BOD loading was 9,044 lbs./day, which is 44.8% of the plant's capacity. Note: BOD loadings and influent flows may fluctuate from day to day, as a result of the dynamic nature of wastewater characteristics.

Operations and Maintenance

One Team

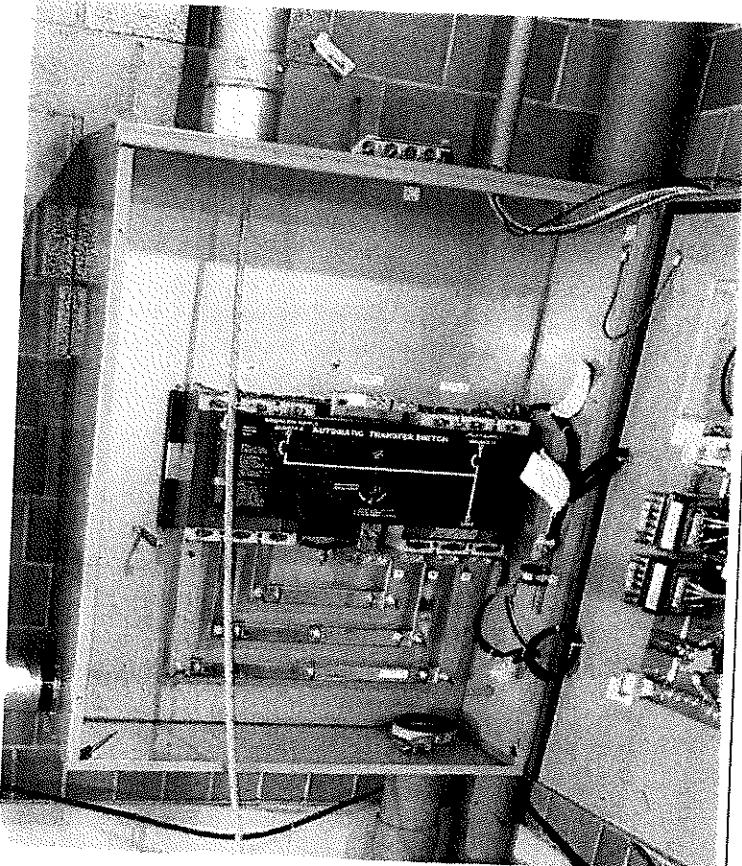


When a watermain broke outside the treatment facility's fence line, Jacobs' staff responded with a 6-inch bypass pump to assist City staff with dewatering. We were able to pump the water to an out of service primary tank.

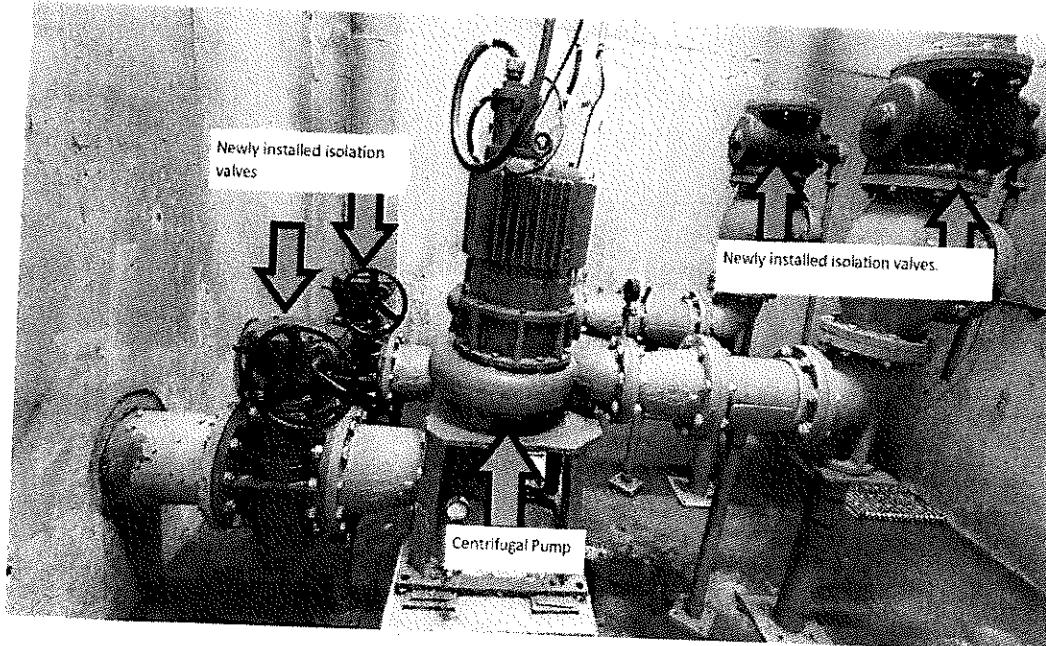


In December, we started snow blowing/shoveling the TART on the south side of the treatment plant, including the pedestrian bridge. When snow cover is not an issue, we spend 0.5 hrs/week collecting trash around the perimeter of the facility. This month, we collected approximately 2.5 bags of trash.

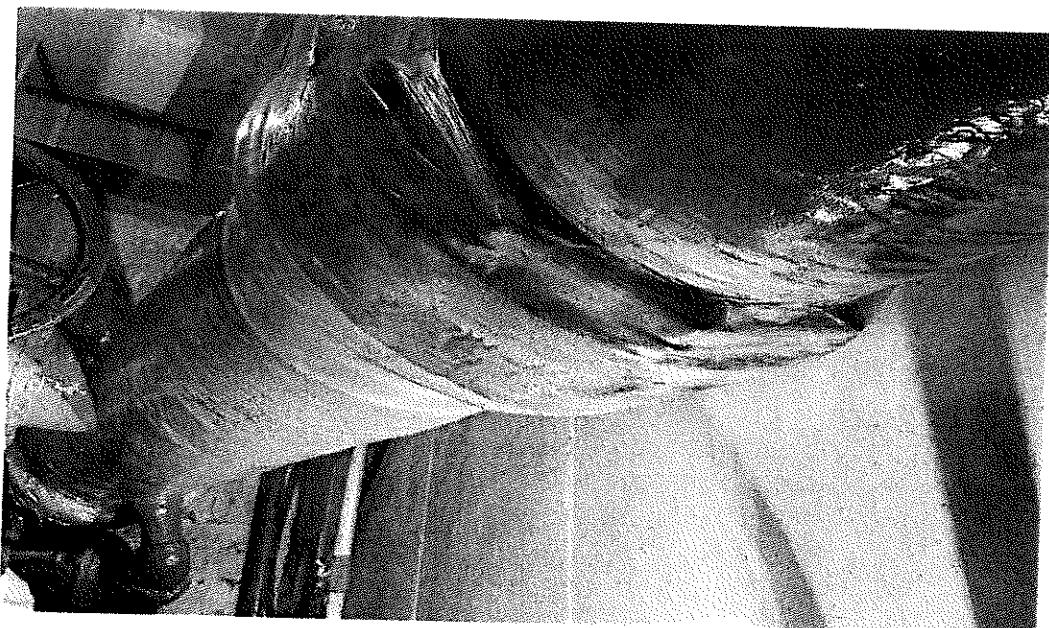
Pump Stations (lift stations)



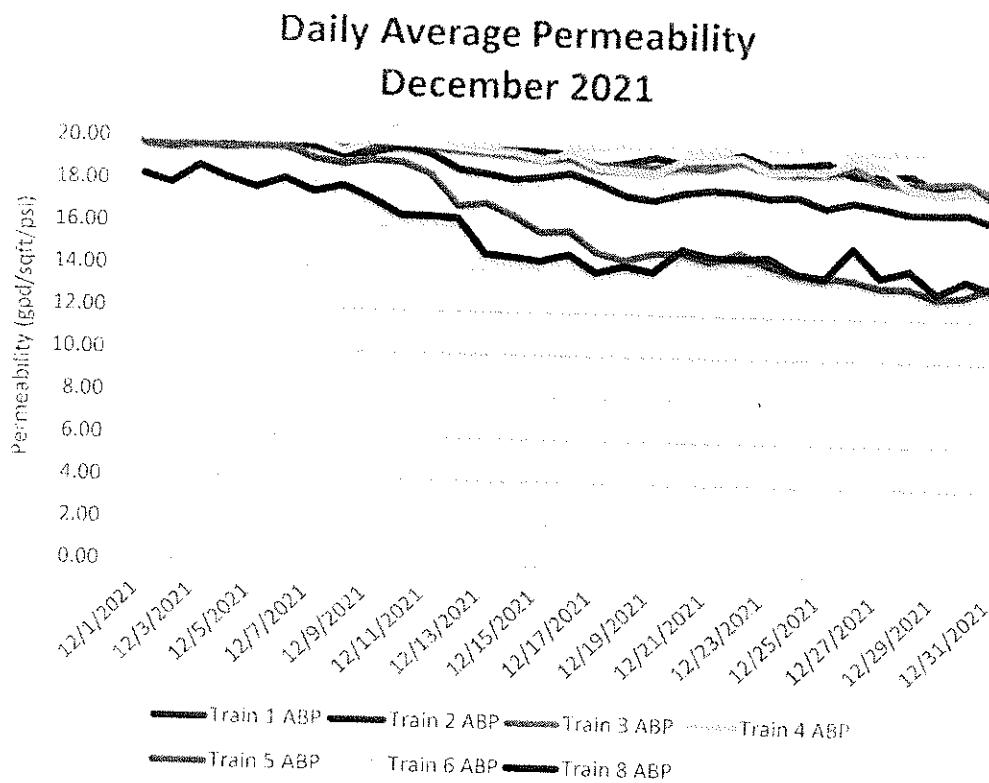
Front street lift station's generator transfer switch was installed. Programming of the switch is scheduled to occur within the next couple weeks. Until then, if necessary, we will transfer power manually. This project was approved by the City Commission on 12-6-21.



Kerr Pump completed the isolation valve replacement at the Birchwood lift station. This project was approved by the City Commission on 9-20-21.

Headworks (Preliminary/Primary Treatment)

The south side of the primary header has been wrapped to reinforce the failing pipe until it is replaced. USI is now working towards the north side of the header. This project was approved by the City Commission on 10-18-21.

Secondary Treatment

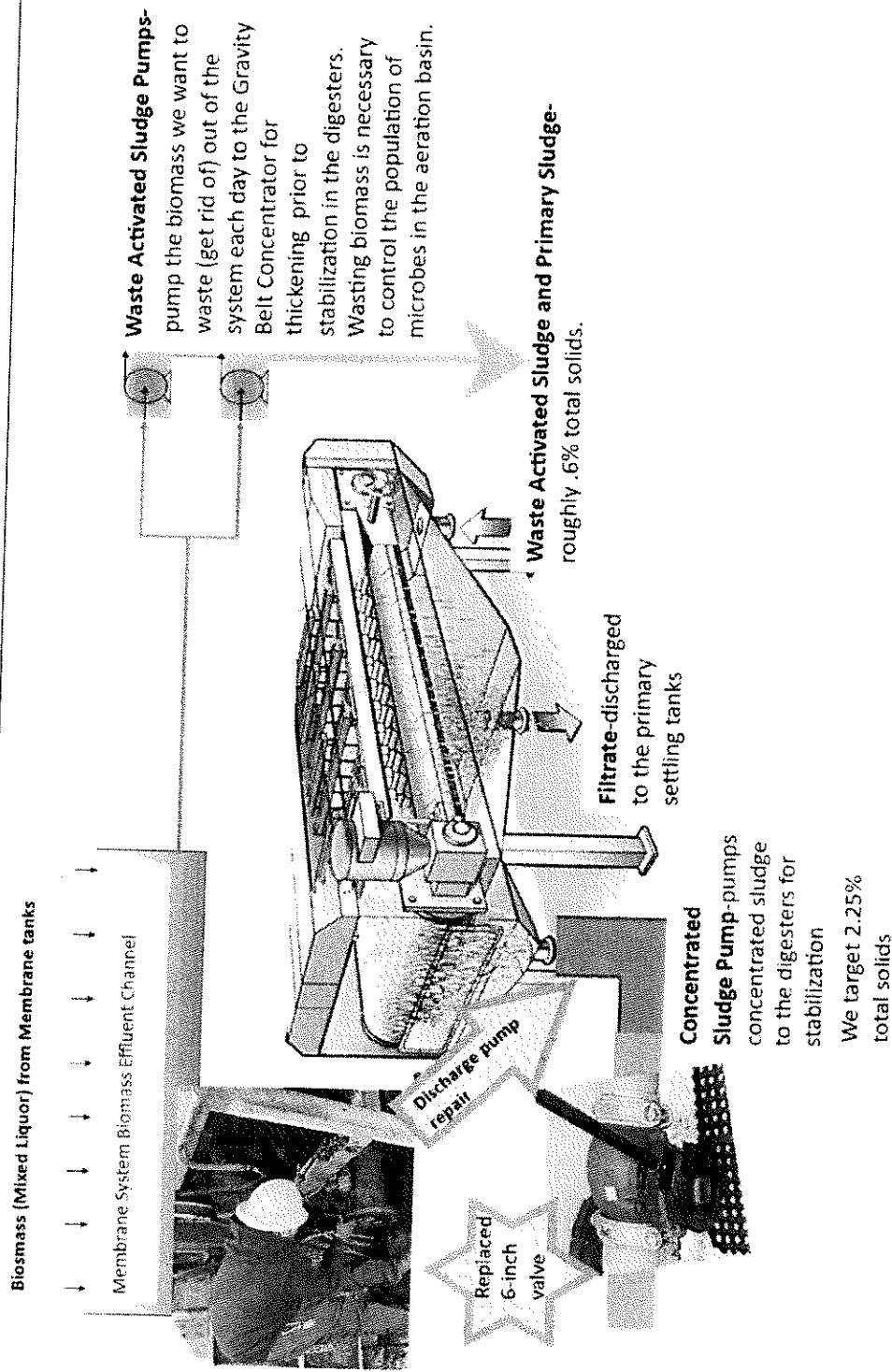
We are able to permeate at a rate that meets current flow demands and produce an effluent that meets, and for many parameters, exceeds EGLE requirements. The steady decline in permeability for trains 1,2,3,4,5, and 8 follows historical trends in relation to the drop in ambient temperature. Train 7 was out of service all month as a result of tank coating failures and therefore is not included in the graph.

Jacobs

Solids Handling

We replaced the 6-inch valve that isolates the gravity belt concentrator (GBC) from the digesters.

The stator in the GBC discharge pump was worn causing a decrease in pump efficiency. We replaced the stator and the efficiency of the pump increased.



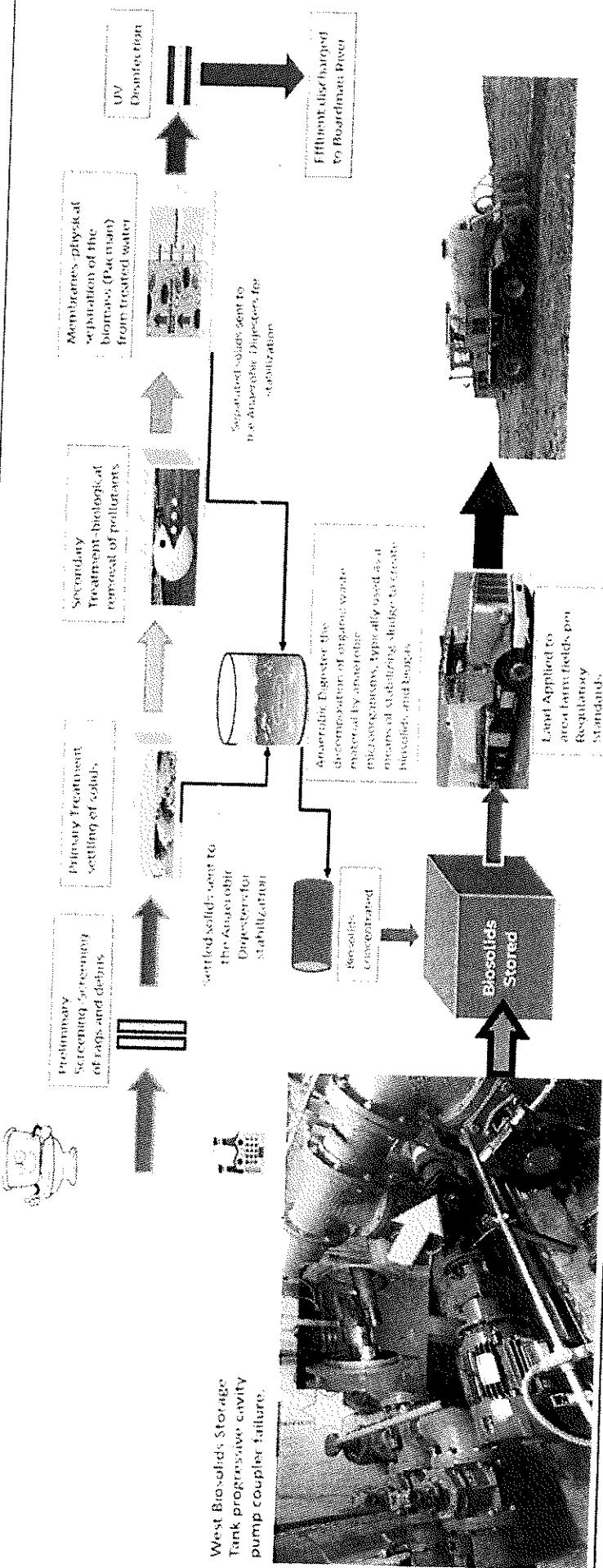
Jacobs

Biosolids Storage

The last biosolids haul/land application for 2021 was completed.

In the course of treating wastewater, a solids byproduct is produced, called sludge. The term biosolids is used in reference to sludge that has been stabilized, meaning the presence of pathogens has been reduced and that reduction has been analytically verified. Sludge is stabilized at the Facility in anaerobic digesters. Once stabilized the biosolids are concentrated, to reduce the volume sent to the biosolids storage tanks and thus the cost of disposal. From the storage tanks, biosolids are hauled to farm fields preapproved by State Regulators and land applied with the use of subsurface injection per the Facility's State approved Residual Management Plan. Biosolids disposal occurs roughly 4 times per year and is one of the larger operational expenses even though it is one of the least expensive methods of biosolids disposal.

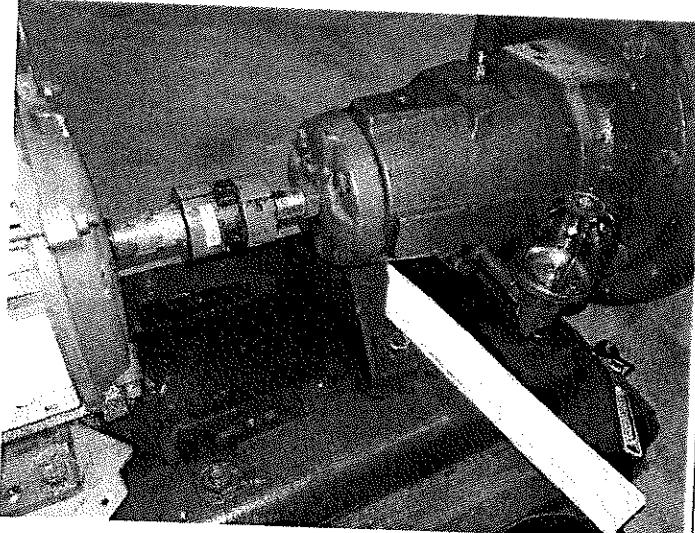
The coupler failed in one of the progressive cavity pumps in the west biosolids storage building. We are currently obtaining quotes for repair parts and evaluating the cause of failure.



Disinfection

No updates for this month.

Ancillary Equipment



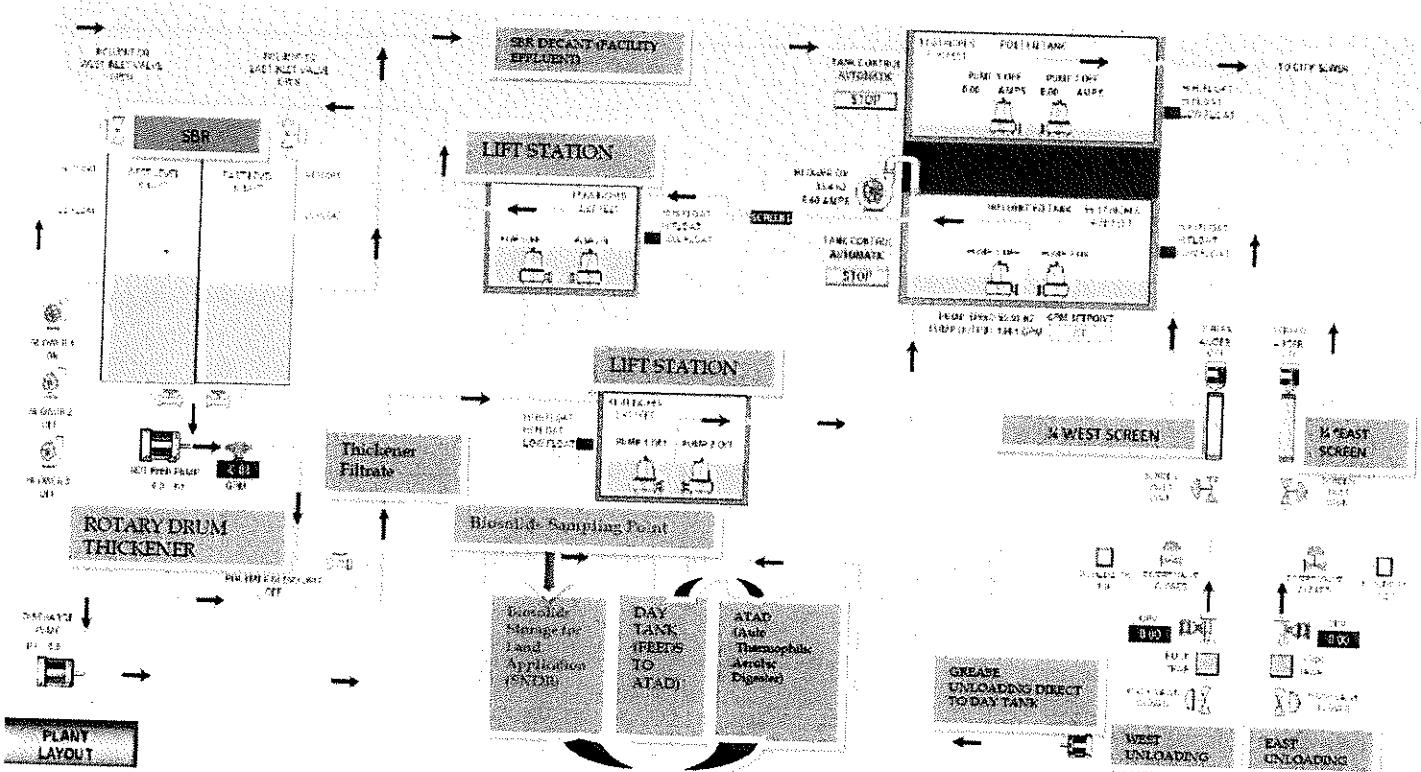
We performed a preventive maintenance work order on the boiler water booster pumps and found the coupler needed to be replaced on one of the units. In this picture we are draining the oil from the pump and preparing to replace the worn coupler which has now been replaced.

SCADA Security

No updates for this month.

Grand Traverse County Septage Treatment Facility (GTCSTF)

Plant Schematic



Process Status

Grand Traverse County Septage Treatment Facility Process Status Overview

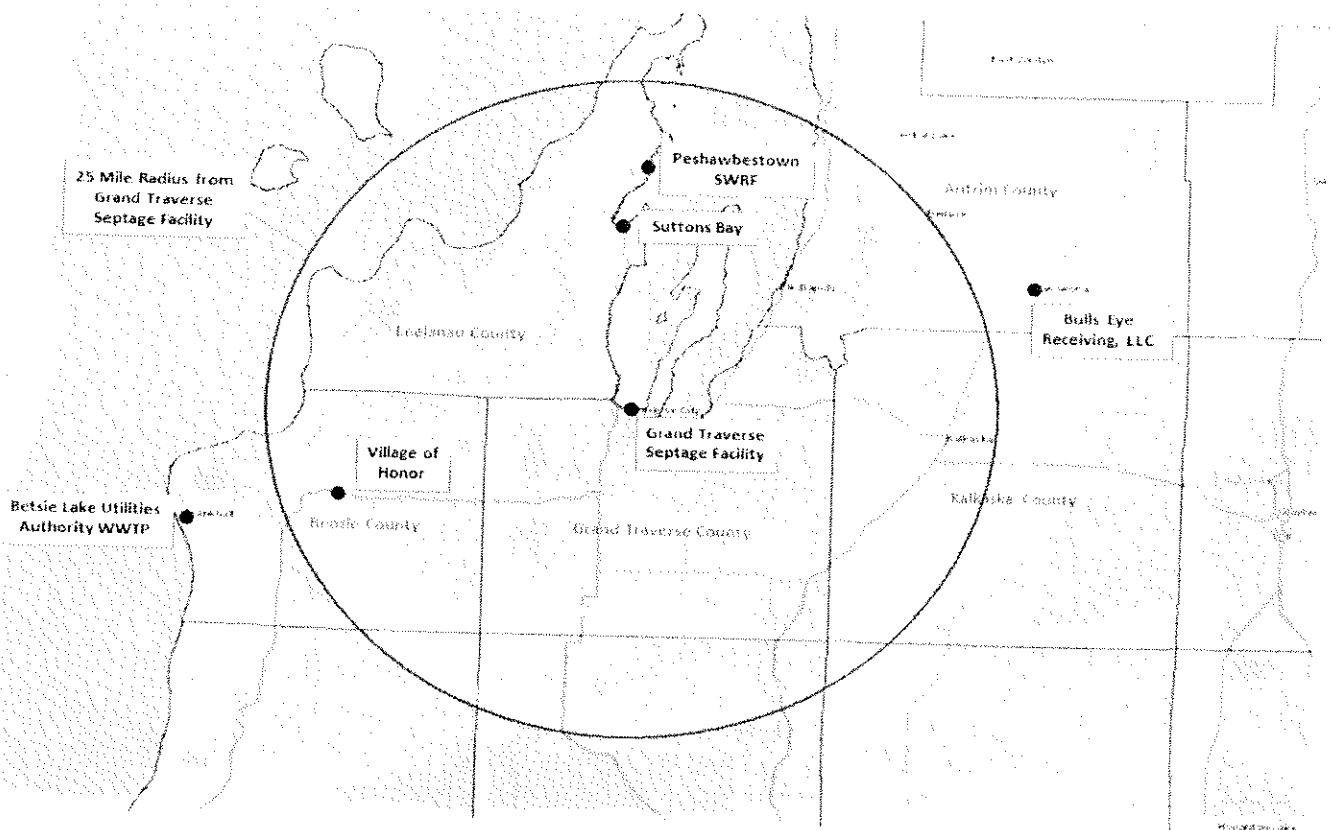
Related Documents: Report on Engineering Inspection and Condition Assessment -Grand Traverse County Septage Treatment Facility, NTH December 2018 / Grand Traverse County Septage Treatment Facility Condition Assessment, Jacobs 2019 | Grand Traverse County Septage Treatment Facility-Capacity Evaluation, Jacobs 2019

Process Area	In Service	Rated Solids Capacity	Used Capacity, per the 2019 Capacity Study	Equipment Status	Capital Improvement/Repairs Scheduled
Sequence Batch Reactor	2005	20,500 gpd (peak month)	32,000 gpd (peak month)	Inservice	Repairs needed to tank's roof and walls per the 2018 structural assessment- in process | Capacity increasing projects have been included in the facility's CIP
Auto thermophilic Aerobic Digester	2005	10,000 lb./day at 5% total solids (TS) with 69% volatile	4,700 lbs./day or 47% of design capacity (peak month)	Inservice	Jett Pump VFD has been repaired | Day tank and ATAD tank-tank and roof repairs needed per the 2018 structural assessment are scheduled in the CIP
Storage Nitrification/Denitrification Tank	2005	150 days of Storage Recommended	150 days of Storage	Inservice	Capacity increasing projects will be included in the CIP

The general condition and operating status of the facility's equipment, and issues of concern are summarized in the GTCSTF Process Status Overview Table or in the attached GTCSTF Capital Improvement/Repair Initiatives Table.

Compliance

As required by the facility's state approved operations plan; holding tank, grease, septage, and preapproved special waste generated within a 25 miles radius of the facility, was able to be accepted 24 hours a day, seven days a week throughout the month of December.



Treatment Facility Operations and Maintenance

The facility is operating well.

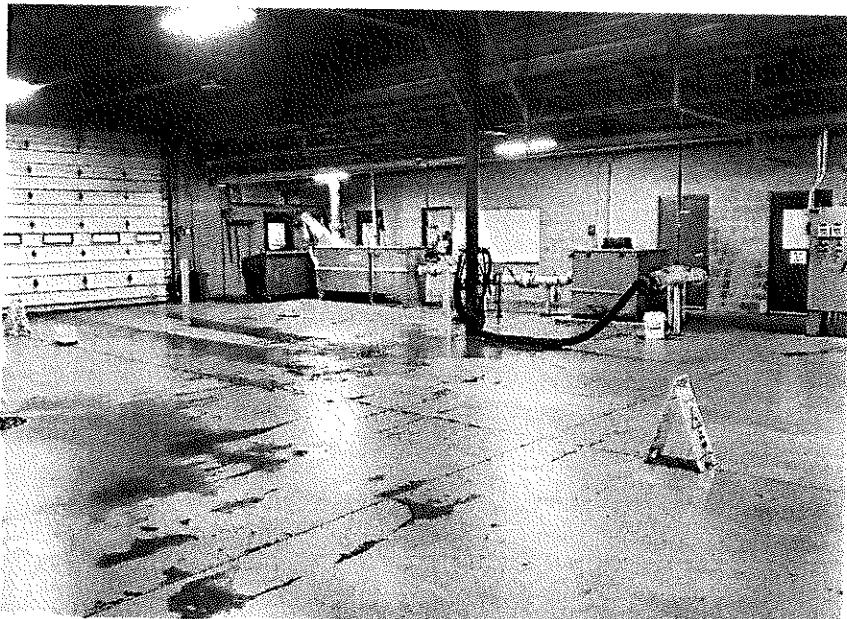
There was a power blip at the facility on 12-16-21. Windemuller was called to troubleshoot a resulting communication issue and found a blown fuse in one of the control panels. They replaced the fuse and changed a setting in the control panel to allow the Jett Pump VFD to restart when power is restored. The communication issue was resolved.

ABI found a failed ignition control module was preventing the unloading bay water heater from working properly. A replacement was ordered. We are confirming whether or not this repair will be covered by warranty.

Unloading Bays

The minimum 7-day moving average for offloading rates in December was 162 gallons/minute and the average was 188 gallons/minute. Our minimum target is 125 gallons/minute. The pictures below, depict the general condition of the unloading bays. The bays are cleaned a minimum of twice a day.

East Unloading Bay 12-8-21



West Unloading Bay 12-8-21



TCRWWTP Discharge Monitoring Report-December, 2021

Parameters

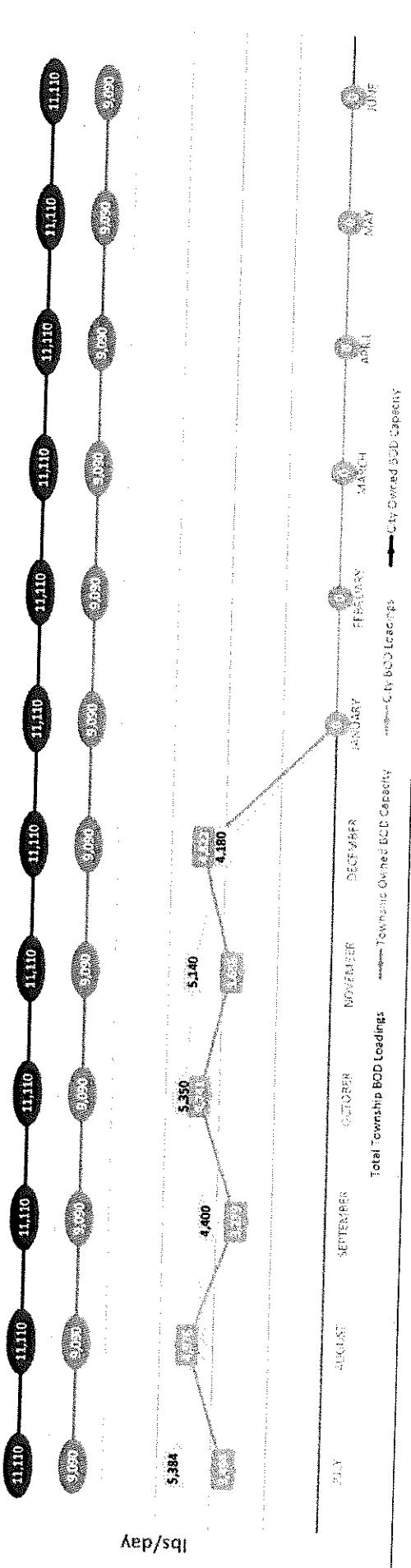
	Quantity or Location	Units			Quality or Concentration		Times	Sample Freq	Sample Type
Flow SG05 Final Effluent (E)	4,405	□	4,235	□	ppm	.....	.....	Daily	Report Total Daily Flow
PARTS PER MILLION					(ppm)				
Total Suspended Solids TSS20 Prior to Disinfection (B)	437	□	437	□	mg/L	.....	.....	24-Hr Composite	24-Hr Composite
Percent Removal TSS20 Prior to Disinfection (B)	99.9%	□	99.9%	□	mg/L	.....	.....	24-Hr Composite	24-Hr Composite
Chemical Oxygen Demand (COD) 5002 Prior to Disinfection (B)	474	□	473	□	mg/L	.....	.....	24-Hr Composite	24-Hr Composite
Total Phosphorus (TP) 5005 Prior to Disinfection (B)	10	□	14	□	mg/L	.....	.....	24-Hr Composite	24-Hr Composite
Total Copper 0142 Prior to Disinfection (B)	0.02	□	0.02	□	mg/L	.....	.....	24-Hr Composite	24-Hr Composite
Total Zinc 0143 Prior to Disinfection (B)	45	□	46	□	mg/L	.....	.....	24-Hr Composite	24-Hr Composite
Total Mercury 7190 Prior to Disinfection (B)	0.000	□	0.000	□	mg/L	.....	.....	Circulation	Circulation
First California 7435 Final Effluent (E)	0.000	□	0.000	□	mg/L	.....	.....	GRD	GRD
COD5 Minimum % Removal 5003 Percent Removal (%)	99.9%	□	99.9%	□	ppm	.....	.....	24-Hr Composite	24-Hr Composite
Total Suspended Solids Removal 8101 Percent Removal (%)	99.9%	□	99.9%	□	mg/L	.....	.....	24-Hr Composite	24-Hr Composite
Chemical Oxygen Demand (COD) 5002 Final Effluent (E)	2.2	□	2.2	□	mg/L	.....	.....	GRD	GRD

TCRWWTP BOD LOADINGS SUMMARY

	July	August	September	October	November	December	January	February	March	April	May	June
Garfield Township	2832	3154	2740	3191	2857	2346	0	0	0	0	0	0
Peninsula Township	54	41	49	55	65	65	0	0	0	0	0	0
Elmwood Township	476	311	318	314	327	268	0	0	0	0	0	0
Acme Township	549	789	763	879	865	1148	0	0	0	0	0	0
East Bay Township	1493	427	530	911	1026	353	0	0	0	0	0	0
Traverse City	3494	4976	3279	4741	3656	4822	0	0	0	0	0	0
Total	11,110											

	July	August	September	October	November	December	January	February	March	April	May	June
Total Township BOD Loadings	5,384	4,722	4,400	5,350	5,140	4,180	0	0	0	0	0	0
Township Owned BOD Capacity	9,090	5,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090	9,090
City BOD Loadings	3,494	4,976	3,279	4,741	3,656	4,822	0	0	0	0	0	0
City Owned BOD Capacity	11,110	11,110	11,110	11,110	11,110	11,110	11,110	11,110	11,110	11,110	11,110	11,110
Total	11,110											

BOD Loadings vs BOD Owned Capacities



Project Financial Summaries

TCRWWTP

Traverse City CY32 (2021 - 2022)	CY32 Annual Budget	YTD Actuals	Budget Remaining	December-21		
				CMO Budget	CMO Actuals	CMO Variance
Ferric Chloride	\$117,369.00	\$75,518.53	\$41,850.47	\$9,780.75	\$16,554.36	(\$6,773.61)
Electricity	\$461,004.00	\$184,343.94	\$276,660.06	\$38,417.00	\$37,543.42	\$873.58
Repairs	\$125,000.00	\$72,333.80	\$52,666.20	\$10,416.67	\$19,785.80	(\$9,369.13)
Total	\$703,373.00	\$332,196.27	\$371,176.73	\$58,614.42	\$73,883.58	(\$15,269.16)

December Repairs Over \$1,000		
Vender/Contractor	Expense	Repair
Hurst Mechanical	\$1,145.00	Chemical Room HVAC System Repair
Windemuller Electric	\$1,390.00	Oil Sampling and Analysis of Primary Transformers- Predictive Maintenance
Windemuller Electric	\$1,527.74	Sieve Drum Concentrator Speed Control Replacement
Anderson Process	\$2,215.00	Spare Chemical Pumps for Membrane Train Cleanings
Standard Electric	\$3,384.21	New Automatic Transfer Switch for the Front Street Lift Station Generator
Ovivo	\$4,590.00	Fine Screen Inspection

GTCSTF

Grand Traverse CY16 Repairs/Maintenance	Total Budget	Current Month Expenses December-21	YTD Expenses	Budget Remaining
Repairs	\$20,000.00	\$20,013.27	\$83,909.21	(\$63,909.21)
Influent Tank Cleaning	\$40,000.00	\$0.00	\$37,750.14	\$2,249.86
Post EQ Tank Cleaning	\$20,000.00	\$0.00	\$0.00	\$20,000.00
Biosolids Disposal	\$60,400.00	\$0.00	\$61,112.25	(\$712.25)
Grit Removal	\$19,500.00	\$1,382.39	\$15,563.61	\$3,936.39
TOTALS	\$159,900.00	\$21,395.66	\$198,335.21	(\$38,435.21)

December Repairs Over \$1,000		
Vender/Contractor	Expense	Repair
Professional Pump	\$1,057	Noise Silencing Foam for Sequence Batch Reactor Blowers
Windemuller Electric	\$1,615	Troubleshooting and Repair of Network Lines
Windemuller Electric	\$1,620	Troubleshooting the VFDs for Post Equalization Basin Pumps 1 and 2
Windemuller Electric	\$3,957	Influent Equalization Basin-Scaling of the Level Transmitter and Troubleshooting of Drive Fault
Windemuller Electric	\$10,050	Jett Pump VFD Replacement

TCRWWTP Equipment Status Overview

Headworks Equipment Status Overview

Related Documents: TCRWWTP Condition Assessment, Jacobs 2016 | City of Traverse City Asset Management Plan, Waterworks and Primary Treatment Options, Jacobs 2017 | Headworks and Primary Treatment Options, Jacobs 2017 | CCRSF Wastewater Improvements Project Plan, MRC Adm 2021					
Equipment	Status	Average Design Capacity	Current Capacity	Equipment Status	Capital Improvement/Repairs Scheduled
Automatic Coarse Screen	In Service	6.5 MGD	5.5 MGD	In-service Equipment is obsolete and no longer supported.	Included in Clean Water State Revolving Fund Grant application submitted April 2021. Not yet scheduled in the City's CIP.
East Grit Chamber	In Service	6.5 MGD	6.5 MGD	In-service Equipment in need of upgrade	Included in Clean Water State Revolving Fund Grant application submitted April 2021. Not yet scheduled in the City's CIP.
West Grit Chamber	In Service	6.5 MGD	0	Out of Service (OOS) No grit removal redundancy	Repair is scheduled included in Clean Water State Revolving Fund Grant application submitted April 2021. Not yet scheduled in the City's CIP.
Primary Header	In Service	15.5 MGD	8.5 MGD	Portions of the pipe have failed replacement is urgent.	Replacement of Header Capital Improvement Project #9502 scheduled for 2021-2022. Included in Clean Water State Revolving Fund Grant application submitted April 2021.
Primary Settling Tanks	In Service [Inside tanks] 19.76 [Outside tanks] 2.5 MGD	2.5 MGD	5.4 MGD (approximate)	Tanks OOS Equipment is the 6 remaining in-service tanks has reached the end of its useful life.	Capital Improvement Project #9504 [Included in Clean Water State Revolving Fund Grant application submitted April 2021.] Purchase of repair parts for 6 in-service tanks complete.
Screen Screens	In Service	20 MGD [2 screens - 10 MGD/Screen]	10 MGD	1 Screen-OOS No redundancy	Inspection was completed by manufacturer. Recommendations will be provided.
Screw Pumps	In Service	20 MGD [20 MGD Screw Pump 1, 19.76 Screw Pump 2 and 3, 19.76 Screw Pump 4, 19.76 Screw Pump 5]	20 MGD	All 5 pumps in-service	Capital Improvement Project #9533 [Included in Clean Water State Revolving Fund Grant application submitted April 2021.]
Secondary Treatment Equipment Status Overview					
Related Documents: TCRWWTP Condition Assessment, Jacobs 2016 | City of Traverse City Asset Management Plan, Waterworks and Collection Systems, Jacobs 2017					
Equipment	Status	Average Design Capacity	Current Capacity	Equipment Status	Capital Improvement/Repairs Scheduled
2-Aeration Basins and Related Equipment	In Service	2.5 MGD	2 basins on line	Aeration Basin/Aerating Equipment Capital Improvement Project #1072 [Aeration Basin/Aerating Equipment upgrade per CIP#1079 Capital Improvement Project #1171] Blower 1 was recently rebuilt (there are 2 aeration blowers at the facility). A few return pumps and mixers are currently OOS for repair. There are 16 mixers and 6 return pumps in the basin.	Aeration Basin/Aerating Equipment Capital Improvement Project #1072 [Aeration Basin/Aerating Equipment upgrade per CIP#1079 Capital Improvement Project #1171] Blower 1 was recently rebuilt (there are 2 aeration blowers at the facility). A few return pumps and mixers are currently OOS for repair. There are 16 mixers and 6 return pumps in the basin.
3-Membrane Train 7 OOS Assessing the failure of the fairing coating - removing failed coating from cassettes and tank, then assessing cause of coating failure. Membrane will be returned to service once coating has been removed, coating recommendations for coating.	In Service	8.5 MGD	7.4 MGD	Membrane Train 7 OOS Assessing the failure of the fairing coating - removing failed coating from cassettes and tank, then assessing cause of coating failure. Membrane will be returned to service once coating has been removed, coating recommendations for coating.	2nd Membrane Replacement Capital Improvement Project #1044 (2023-2026); Membrane train enclosure engineering, evaluation, and replacement project #1172 [Enclose Membrane Train 7 OOS Assessing the failure of the fairing coating - removing failed coating from cassettes and tank, then assessing cause of coating failure. Membrane will be returned to service once coating has been removed, coating recommendations for coating.]
4-Return Activated Sludge Pumps	In Service	30 MGD [15 w/c Pump 1 redundant pump]	30 MGD	None at this time	None at this time
5-Waste Activated Sludge Pumps	In Service	133,100 to 198,700 gpd	133,100 to 198,700 gpd	None at this time	None at this time
5-Scrub A: Blowers	In Service	4117 CFM/Blower	4117 CFM/Blower	None at this time	None at this time

Scrub A: Blowers have been overhauled 2 more to complete per year. 3 blowers have been overhauled 2 more to complete per year.

TCRWWTP Equipment Status Overview Continued

Solids Handling Equipment Status Overview

Related Documents: TCRWWTP Condition Assessment, Jacobs 2016 / City of Traverse City Asset Management Plan, Wastewater Plant, Jacobs 2017

Solids Handling Equipment Status Overview		In Service		Design Capacity		Current Capacity		Equipment Status		Capital Improvement/Repairs Schedule	
1 Gravity Belt Concentrator (GBC)-related polymer units and pumps	2004	In Service		1,800 lbs./hr.		1,800 lbs./hr.		In Service		Upgrade Digested Solids Thickening Equipment Capital Improvement #1073 (Currently planning GBC repair/rehabilitation)	
2-Sieve Drum Concentrators-related polymer units and pumps	1956	In Service		3,000 lbs./hr./unit		3,000 lbs./hr. (treater unit)		In Service		Upgrade Digested Solids Thickening Equipment Capital Improvement #1078	
Solids Stabilization Equipment		In Service								Capital Improvement/Repairs Schedule	
Digester 1-related equipment	1932	In Service		Design Solids Volume to Digesters		Current Solids Volume		Equipment Status		Capital Improvement/Repairs Schedule	
Digester 1-related equipment	1932	In Service		780		10 Digesters		Out of Service		Condition Assessment Digesters 1 & 2 Capital Improvement Project #912	
Digester 2-related equipment	1955 (Rebuilt with Linear Mixer 2020)	In Service		75,820 combined gallons per day		780		Out of Service		Condition Assessment Digesters 1 & 2 Capital Improvement Project #912	
Digester 4-related equipment	1959	In Service				57,623 combined gallons per day		In Service		None at this time	
Digester 5-related equipment	2004	In Service									
Biosolids Storage Equipment Status Overview		In Service		Design Capacity		Current Capacity		Equipment Status		Capital Improvement/Repairs Schedule	
4 Tank-Well Biosolids Storage and Loadout Station Equipment	1959-New progressive cavity pumps installed 2018	In Service		1.6 MG		One of two progressive cavity pumps is OOS.				No capital improvements scheduled at this time. The coupler on the east pump failed. Jacobs is obtaining quotes for repair/parts.	
3 Tank-Well Biosolids Storage and Loadout Station Equipment	2004	In Service		1.3 MG		2.3 MG		In Service		No major repairs or capital improvements scheduled at this time.	
Disinfection Equipment Status Overview		In Service		Peak Design Capacity		Current Capacity		Equipment Status		Capital Improvement/Repairs Schedule	
Related Documents: TCRWWTP Condition Assessment, Jacobs 2016 / City of Traverse City Asset Management Plan, Wastewater Plant and Collection Systems, Jacobs 2017 / Traverse City Regional Wastewater Treatment Plant Ultra-violet Disinfection Evaluation, Jacobs September 2017 Michigan											
Ultra-Violet Disinfection System (UV Modules)	1995-Mod fed per AGC May 2021	In Service		17 MGD		13.3 MGD		In Service		UV System Upgrade Engineering (including Part 1 Submission to EGLE by December 31st, 2022, per July 1st, 2019 AGC) Capital Improvement Project #1170 (UV System Upgrade) to be completed by July 1, 2026 (per July 3rd, 2019 AGC) Capital Improvement Project #1033	

TCRWWTP Equipment Status Overview Continued

Related Document: TCRWWTP Condition Assessment, Jacobs, 2026 | City of Traverse City, Asset Management Plan, Wastewater Plant and Collection Systems, Jacobs, 2017			
Equipment	Status	Description	Notes
Auxiliary Equipment	In Service		
HVAC Systems-Membrane Building	1996	Administration Building HVAC Heating element is the only component working. All other HVAC systems are in service.	Capital Improvement #1075; Approved by City Commission on 11-15-21; Upgrade in progress.
Administration Building, Digester 2 Building GBC Building	In Service		
SCADA and PLCs	2004-Upgraded 2011	Terminal Server is not functioning as intended	Plant BC Upgrade Capital Improvement #701 SCADA Upgrade Capital Improvement #705 [Terminal Server Replacement approved by Commission on 11-15-21; replacement in progress. Repair of this line was approved by City Commission on 11-15-21; Repair is in progress.]
Permeate Reuse System	2004	Portion of the line supplying water to the SDC and related polymer units is OOS	Methane Gas Metering Capital Improvement #1037 [Boiler Controls Upgrade Capital Improvement #1077] Confirming Approval of methane gas boiler valve on Commission Agenda for 11-15-21
Methane Gas System including Boilers	1950's	In-service Upgrade needed to monitor gas production volume and quality to better understand sustainable options	Methane Gas Metering Capital Improvement #1037 [Boiler Controls Upgrade Capital Improvement #1077] Confirming Approval of methane gas boiler valve on Commission Agenda for 11-15-21
Generators	Inservice		Purchase of replacement Portable Generator identified as Capital Improvement #1032 [Administration Building Generator Capacity Evaluation included in CIP# 1168]
Membrane Building	1976 Administration building/2004		Plant Electrical Engineering Evaluation Capital Improvement #1165
Plant Electrical Components	Inservice	Miscellaneous-Arc flash evaluation completed 2021	
Yard Piping	1990s-1995s-1990s-1990s-2000s	Inservice	Yard Piping Engineering Evaluation Capital Improvement #1173 [Portions of the piping will be evaluated and addressed as needed, in correlation with process upgrades]

TC Lift Station Status Overview

Lift Station Equipment Status Overview

Related Documents: TCRWWTP Condition Assessment, Jacobs 2016 / City of Traverse City, Asset Management Plan, Wastewater Plant and Collection Systems, Jacobs 2017 | Front Street Lift Station Force Main Capacity Analysis, Jacobs March, 2021

Lift Station Equipment	Current Capacity Used, per 2019 Testing (Capacity will be evaluated as part of the scheduled engineering studies)	Equipment Status	Capital Improvement/Repairs Scheduled
Bay Street Lift Station	42%	Inservice	Engineering Evaluation Birchwood and Bay St Lift Station Capital Improvement #1000
Birchwood Lift Station	70%	Inservice-isolation valves need to be replaced	Engineering Evaluation Birchwood and Bay St Lift Station Capital Improvement #1000 | Pump isolation valves replaced, December 2021
Clinch Park Lift Station	8%	Inservice	Engineering Evaluation of Clinch Park and Coast Guard Lift Stations Capital Improvement #967
Coast Guard Lift Station	26%	Inservice	Engineering Evaluation of Clinch Park and Coast Guard Lift Stations Capital Improvement #967
Front Street Lift Station	70% (per Front Street Lift Station-Force Main Capacity Analysis)	Inservice	Front Street Lift Station Engineering Evaluation Capital Improvement #1002 | Front Street Lift Station Upgrade Capital Improvement #1001
Hull Park Lift Station	TBD	Inservice	None at this time
Riverine Lift Station	7%	Inservice	Engineering Evaluation Woodmere and Riverine Lift Stations Capital Improvement #1031
TBA Lift Station	24%	Inservice	Not at this time
Woodmere Lift Station	65%	Inservice	Engineering Evaluation Woodmere and Riverine Lift Stations Capital Improvement #1031

TCRWWTP Capital Improvement / Repair Initiatives

Repair Initiatives Description	Estimated Cost	Latest Update
Replacement of Birchwood lift station pump valves - City issued PO to Kerr Pump - Approved 9-20-21	\$27,155	Project Completed December 2021
UV system change order - approved 8-2-21	\$4,029	Complete
Scour Blower D Replacement CIP 1073	\$44,794	Complete
Rehabilitation of the East Biosolids Building Sump Station - Change order approved - 10-4-21 Project total provided includes change order.	\$26,558	Complete
Aeration blower replacement - approved 7-19-21 - PO issued by City - Not completed -	\$54,400	Complete
Screw pump #1 emergency repair - City payment to Jacobs approved 7-6-21	\$254,851	Complete
Primary tank spare parts - Jacobs requested confirming PO. CC approved 12-6-21.	\$14,220	PO issued to Supplier
Front Street Lift Station Transfer Switch - CC approved 12-6-21 - City issued PO	\$14,559	Switch installed awaiting programming.
Terminal Server Replacement - Jacobs OOS - CC approved November 15th 2021.	\$42,243	Parts on Order
Administration building HVAC Upgrade (CIP 1075-21) - CC approved 11-15-21 - City issued PO	\$93,000	Equipment expected to arrive February 22nd 2022.
Digester #5 recirculation pump VFD - CC approved 10-18-21 - City issued PO	\$9,825	PO issued to Contractor. Part ordered
Purchase of two digester 4 recirculation pump rotating assemblies, installation of one rotating assembly and replacement/refurbishing of eight Township automatic refrigerator samplers and enclosures. OOS approved by CC on 9-7-21.	\$120,655	All parts ordered. Samplers expected in April 2022
W-3 water piping replacement approved - CC approved 11-15-21.	\$18,500	Awaiting parts arrival.
Purchase 2 - Maxon Digester gas valves - approved 9-20-21 - City PO issued - Change order needed to cover cost increase city requested \$725.00 not to exceed change order. Cost includes the not to exceed amount. CC approved 11-15-21.	\$17,110	City issued two PO's and sent to Vendor.
Switch Gear Repairs - Change order of \$43,500.00 for portable generators approved by CC 10-18-21. Total includes change order. City issued PO	\$67,765	Project to begin 1-18-22 expected to be completed 1-22-22
SARS COVID 2 WW study support OOS - Approved 9-7-21 - On going to 2023	\$11,112	No labor allocated in December

TCMWWTP Capital Improvement Items		
Item	Estimated Cost	Details
Front St., Birchwood, and Bay St Lift Station Condition Assessment and Engineering Study (CIP 1000)	\$40,000	RFP issued; Pending award to Tetra Tech.
Primary Header Wrap Repair (Replaced CIP 902)	\$110,000	Primary Header Replacement per HRC Evaluation performed in 2019-2020. This project is prioritized in accordance with the AMP for the facility and lift stations. CA rated primary treatment as 2nd highest risk prior to primary header failing and after digester 3 being taken out of service. CC approved 10-18-21. Project completion expected by end of January 2022.
Administration Building HVAC Upgrade (CIP 1075-21)	\$93,000	The HVAC system in the administration building at the facility does not work properly. This project would upgrade the system so that temperature, particularly in the laboratory, can be controlled adequately. Approved by Commission on November 15th 2021. PO issued to Vendor - Parts on Order
Annual Equipment Rehab/Replace (> or = \$9K) (CIP 1174-21)	\$200,000	Annual Equipment Rehab/Replacement (Items over \$9,000) all items subject to prior City Commission Approval - Funds maintenance of 1,954 assets to ensure they can be properly maintained per state regulator approved asset management plan.
Scour Air Blower Overhaul - 5 Blowers Total (CIP 1073)	\$47,250	See CIP Plan for details. - Complete
UV System Upgrade Engineering (CIP 1170)	\$50,000	UV System upgrade engineering study including part 4.1 submission to FGLE by December 31st 2024 per July 3rd 2019 ACO and is in accordance with the AMP prioritization - CA rated the UV process the 4th highest risk prior to UV limited capacity being ID'd.
Digester Gas Metering (CIP 1037-21)	\$70,000	Add metering and monitoring capabilities to the digester gas system.
Engineering Evaluation - Woodmere & Riverine Lift Station (CIP 1031-21)	\$30,000	Engineering Evaluation/Condition Assessment Woodmere and Riverine lift stations, including controls upgrade and telemetry. Upgrade per evaluation to be added to CIP in Accordance with AMP prioritization. Tetratech to provide cost to incorporate into Front St., Bay St, and Birchwood evaluation carried over from 2020-2021
Boiler Controls Upgrade (CIP 1077-21)	\$61,000	The boiler controls at the WWTP are obsolete and unsupported. Currently, the controls are bypassed to allow for boiler operation. This project would update the controls with a supported technology.
Plant Electrical Engineering Evaluation (CIP 1168)	\$92,250	Plant electrical engineering evaluation per task 4 of 2018 - 2019 Facilities Priority Plan - Upgrade per evaluation to be added to CIP in accordance with AMP prioritization.

GTCSTF Capital Improvement/Repair Initiatives

Updated: December 2021

(Separate from the recommended CIP projects, \$60,000 is included in the facility's annual budget for the cleaning of the influent and post equalization tanks. All other top facility issues and related projects are included in the table below)

Contract Year	Project	Estimated Cost	Updated Cost (Costs Updated Per Quote Highlighted Yellow)
2022	ATAD foam sensor replacement - March	\$8,550.00	\$8,550.00
2022	Replace Both Submersible Pumps in Lift Station 1-includes pumps and install labor (Pumps no longer supported, year put into service 2005, we do have an emergency work around) - May	\$85,000	\$85,000
2022	ATAD Jet Pump Stainless Steel Rotating Assembly and Volute - Fall pending budget status	\$110,000.00	\$122,439.55
2022	Grit Removal Project- Part 1 (if started will then have to complete Part 2 in 2023) - January	\$300,000	\$300,000
	2022 Total	\$453,550	\$465,990
2023	ATAD Feed Pump Rebuild Parts \$19,831.40	\$60,000 (current projects estimated at \$37K)	\$60,000 (current projects estimated at \$37K)
2023	ATAD Feed Pump Motor \$2,415.00		
2023	4" & 6" EG54 Victaulic Valves \$2,355.85		
2023	Replacement Polymer Pump \$1,175.54		
2023	RDT Discharge Pump Rebuild Parts - moved from 2021. RDT feed pump uses the same rebuild parts, which we have on hand. \$11,701.00		
2023	Capital Projects: Includes all listed above		
2023	Grit Removal Project- Part 2-Project completion, grit removal equipment brought online	\$260,000	\$260,000
	2023 Total	\$320,000	\$320,000

January 2022 DPW Shop Report

Submitted by David Bauer

Date: 2/2/22

General activities:

- Staff completed monthly operational reports for all water systems and meters were read on 1/31/22
- Sewer master meters were read on 1/31/22.
- All water samples were taken for the month.

Acme

- Some of the Acme sewer repairs that were scheduled have been postponed by the contractor due to the weather.

East Bay

- On 1/6/22 Staff installed a 2" water tap at the Alta Vista development.
- On 1/23/22 Staff was called in to replace the cover on a manhole that was knocked off by a snow plow on Pine Dr.
- On 1/28/22 the radio at the Iron plant locked up on transmit which caused communication failures at several other pumping stations.

Elmwood

- On 1/9/22 Staff responded to power failures at sewer pumping stations 1,2,3,4 caused by an outage.

Garfield

- On 1/8/22 Staff responded to the cedar Run tank which had a frozen transducer after a heater failed.
- On 1/9/22 Staff responded to power failures at sewer stations 10, 11.
- On 1/11/22 Staff responded to a high well at Garfield 1 sewer.
- On 1/23/22 Staff replaced the front cover and wear ring on pump 2 at Garfield 1 sewer.

Peninsula

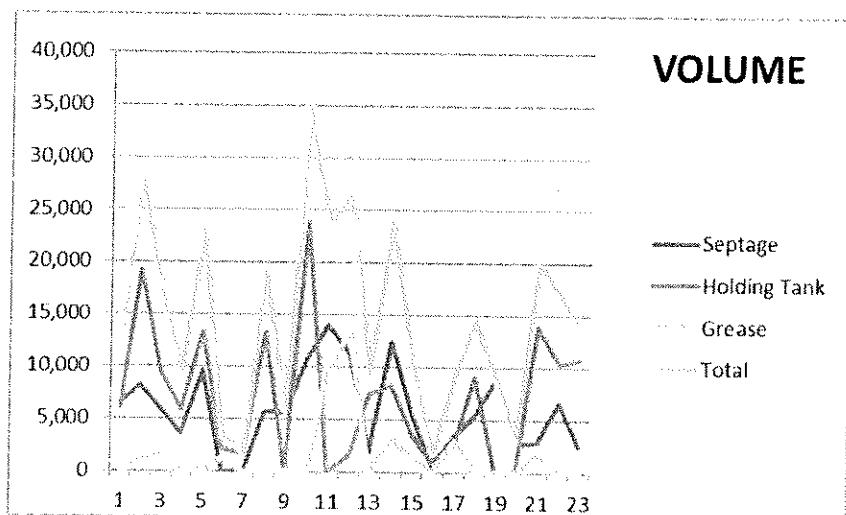
- Nothing to report



DPW DIRECTOR'S MONTHLY REPORT_February 2022

FINANCIAL

REVENUES	CURRENT	Y-T-D	BUDGET		
			INITIAL	ADJ	AMENDED
FEES & CHARGES	8,980	8,980	1,216,000	-	1,216,000
PERMITS	2,450	2,450	40,000	-	40,000
	11,430	11,430	1,256,000	-	1,256,000
		0.9%			
EXPENDITURES	CURRENT	Y-T-D	BUDGET		
			INITIAL	ADJ	AMENDED
PERSONNEL	3,031	3,031	70,308	-	70,308
COMMODITIES	39	39	5,621	-	5,621
CONTRACTUAL SERVICES	2,583	2,583	1,133,085	-	1,133,085
OTHER	2,829	2,829	252,670	-	252,670
CAPITAL OUTLAY	-	-	-	-	-
DEBT SERVICE	-	-	143,000	-	143,000
	8,482	8,482	1,604,684	-	1,604,684
		0.5%			
	CURRENT	Y-T-D			
REVENUES	11,430	11,430			
EXPENDITURES	8,482	8,482			
GAIN/(LOSS)	2,948	2,948			
January		8.3%			



Volume Data: **TOTAL:** 335,390 gallons; **AVERAGE:** 14,582 gal/day; **MAX:** 34,740 gallons

- Septage: 134,445 gallons
- Holding: 163,180
- Grease: 36,225

PFAS/PFOS Testing: Results came back for biosolids testing at the facility – positive for PFOS at 99 ppb. This means that the facility will need to implement a mitigation plan, which is already drafted and planned on being implemented until results come back at lower amounts or negative. The source of this contaminant is unclear, but EGLE representatives have indicated that it is indicative of landfill leachate, which is not accepted at the facility. Effluent was tested and came back positive and above water quality standards of 12 ng/L. Subsequent testing of the WWTP effluent identified levels well below the water quality standards.

The Facility was tested again on August 12, 2021 with results being very similar to the first round. Jacobs submitted an OOS Proposal for a PFAS Survey that was approved by the board last month. This is for a Phase 1 study to aid in the determination of the source.

Phase 1 Report is complete.

Phase 2 was approved by the Board on January 5, 2022.

Facility Update(s)

The tank cleaning/inspection project is complete. A presentation was made to the board on January 10th, 2019. The following recommendations were included in the final report:

- MBR: additional monitoring of cracks and installation of a waterproofing system (Xypex) to the exterior walls and installation of waterproofing to the topping slab.
- SNDR: undergo water tightness testing and reassess the condition of the flexible liner.
- Day Tank: replace existing flexible liner immediately (within 2-3 yrs) and repair concrete as needed.
- ATAD: the control joints should be filled with sealant; tank access hatch to roof screws replaced with 316 stainless; and removal and repair of the bubbled areas of the EPDM roof.

The Board approved an amendment to the original project to complete the monitoring and to provide estimates of cost regarding several of the recommendations. The amended scope of work, to include capacity study was completed on April 10th, 2019. The report was submitted to the BPW and a presentation was made at a special meeting on April 24th.

The following table describes the recommendations resulting from the study:

Table 6.2 Recommended Facility Improvements and Schedule

Capital Improvements (Immediate Needs)	Capital Cost (2019 Dollars)	Recommended Schedule (See notes below for additional details)
SBR Improvement Project <ul style="list-style-type: none"> • Blower Upgrade • Diffuser Replacement • DO and Blower Sump Control • Anti-Ignit. Deionizers in SBR • Increase Number of Dissolve Cycles • SBR Wall improvements 	\$1,037,000	Spring 2019 – Start design Fall 2019 – Construction
Day Tank Liner Replacement	\$219,000 - \$349,000	Spring 2020 Start design Fall 2020 – Construction
Oil Removal Study	\$12,000 (Study Only)	Summer 2019
Capital Improvements (Dependent Upon Results of SBR Improvement Project)	Capital Cost (2019 Dollars)	Recommended Schedule (See notes below for additional details)
Add Primary Clarifier	\$109,650	Spring 2021 – Start design Fall 2021 – Construction
Add Biosolids Storage Tank	\$168,000	For planning purposes. Requires new tank received in 6-10 years.
Add Treated SBR	\$1,740,000	Not expected to be required if primary clarifier provides required additional capacity. Costs is provided as a placeholder if significant increase in flow to the facility is realized in the future.

A revised list of recommendations was presented to the Finance Committee on May 1, 2019. The revisions were a direct result of staff requests to re-prioritize the projects for maintenance and capital with special attention to budget constraints in this fiscal year. This list was updated for the 2022 Budget.

Blower Upgrades

Jacob's submitted an OOS Agreement for the completion of this project. This was discussed at Finance. The BPW approved this project and agreement at its meeting on September 12, 2019. The BPW approved a budget amendment for this work at the February meeting because the project could not be completed in 2019. The Project is complete; 3 of 3 installed.

- Grit Study

The grit study is complete, and the final report has been submitted to the BPW. Jacob's recommendations are as follows:

- Purchase and installation of a mechanically cleaned grit removal system by the year 2021. A cost estimate for the project is included in the report as Appendix C; \$492,000, plus contingency of about 20%.

Staff supports the project for several reasons, but most notably is the reduction in operating/maintenance costs for the facility that will pay for the system within 8 years. Subsequent operating costs and annual schedule of cleanings is also reduced.

Service Contract – STF Operation and Maintenance

The new contract has been approved and executed – expires on March 31, 2026, and is renewable in four-year terms unless cancelled. Staff and Jacobs have revised the billing procedures for maintenance projects. The previous method included providing a \$10,000 O&M budget and then reconciling at year end for any costs under/over budget. This created the problem of waiting until year end to get an invoice or refund. With our current CIP, the O&M costs will exceed \$10,000 every year. This made it difficult to budget and plan specific projects. Paying for maintenance as it occurs allows us to prioritize projects and ensure funds are available.

The 1st Amendment was approved for 2019, which increased the base fee 2.25%.

A revised Service Agreement (2020) was approved by the BPW in November 2019. Jacob's included additional services related to support/emergency assistance for water and sewer operations on an as-needed basis. A scope of work and contractual rates has been established through the Amendment.

The 2nd Amendment (2021) was approved by BPW on January 14, 2021. The Amendment further refines what is considered routine O/M and what is not; will eliminate some more utility bills and will include synchronized budgets for easier management and budgeting.

The 3rd Amendment (2022) is included on the agenda.

NTH STF Roof Inspection

NTH completed its inspection of the SBR roof and found maintenance items necessary, but no major issues related to structural integrity. Staff received a final report and the Scope of Work to complete repairs. This is included on the agenda and was reviewed by Finance on 2/2/22. Staff is currently working on an OOS Agreement with Jacobs to submit to the board for approval.

DPW

1. Staff

We have hired a person for the manager position; start date 2/28/22. We also have one employee back from disability, but another went off for surgery. One of our office staff quit unexpectedly on Saturday, January 29th. We also have one employee retiring in early March. We have posted these positions and expect to fill these roles within the month.

2. Budgets

The 2022 Budget was approved by the Board at our meeting in November.

3. Asset Management Plan(s)

Basic: Staff submitted the basic asset management plan to the DEQ by March 1, 2018.

GIS Base: Phase 1 included compilation of a base map and data collection. Phase 2 included integration of system documentation such as, lead reports and as-builts. GFA presented the results of Phase 1 and 2 to the Board in February 2017.

Phase 3 is ongoing and requires inventory of all major and minor assets. Inventory of assets is completed through GPS location of the asset and Condition Assessment of the asset to prioritize the asset's criticality for budgeting and rate setting. This may take several years to complete. GFA and Topline have inspected each major asset and we are developing the condition assessment for each.

Work associated with the CGAP Award has been completed and staff has received payment of the final grant award amount is \$113,811. Staff also received the grant close-out letter. Staff recently submitted a Final Follow-up Report. This is included in this report.

4. **Master Meters:** Master Meter readings were satisfactory this month. DPW met with the city and submitted a memo regarding under reported water volumes for Garfield for 2011/2012 – 2017/2018. Staff followed up with an email to include 2019/2020 numbers. Staff met with the city a second time, which resulted in a third meeting due to changes in personnel. Staff is currently preparing a settlement document and is seeking acceptance by all parties.
5. **Customer Meters:** We are slowly getting back to full time meter change outs; still prioritizing installs to minimize impact to our customers and staff due to COVID-19.
6. **Well Systems (Water):** Preliminary testing did not reveal any contaminants in the public water supplies; mandatory routine testing is required for well systems in 2021.
 - a. East Bay Twp was made aware of groundwater contamination near the Airport and Coast Guard and worked with EGLE, the Health Department, and residents to remedy the situation. All 18 properties have been connected to the East Bay system and the project is complete.
7. **Miscellaneous:**
 - a. **COVID -19:** The County is open without mask mandates or protocols except for the health care industry. Individual policies may be in place.
 - b. **Contracts:** The County adopted a new policy requiring the Administrator signature on contracts; BOC approval for those greater than \$25,000.
 - c. **Surplus Equipment:** The DPW is reviewing inventory and submitting requests to designate some items as surplus. The first was a pumping system that has never been used and is taking up valuable space in the Shop. The equipment was sold.
 - d. **Consumer Confidence Reports:** The annual water quality reports are due July 1.

- e. Miami Beach: The annual pumpage report has been submitted to EGLE.

Hoch Road

Hoch Road debt will exist until the bonds are paid off in 2022; sale of this property before this time is highly unlikely. **The board approved a policy for the use of this property at our last meeting.** Staff has posted the policy online and has installed signage. Issues related to public use of the land are now being handled by the Sheriff's department using existing laws.

Standard Specifications

The 2017 Edition of the Standard Specifications are approved and posted to the DPW website. Staff has begun work on updating these specs to more accurately represent current industry and department practices. These updates will include discussion on public vs. private infrastructure and DPW review of plans.

Acme/East Bay Township Sewer

Staff is comfortable with the new flow allocations for the two townships. With Acme sewer bypassing EB#2, the formulas were modified resulting in a slightly different percentage for each township. The previous proportion was East Bay 65%; Acme 35%. Currently, the proportion is East Bay 58%; Acme 42%.

Legal Counsel Retainer Agreement

The board approved a new 3-year contract with Olson, Bzdok, and Howard. The new hourly rate is \$165. This contract expires **June 2021**. The Board approved a renewal pending review of financial terms.

SCADA Integration Services Contract

The BPW approved a contract with Topline in March 2017. The contract was for two years with up to two 1-year renewals. Staff missed the 2-year deadline last year and almost missed it this year. The BPW approved the renewals in March. This contract would expire **March 9, 2021**.

The Finance Committee reviewed a request by staff to extend this contract an additional 2-3 years with options for renewal. The Board approved a renewal pending review of financial terms.

Monthly Budget Report

The monthly budget reports have been submitted to the board for approval. No major issues were identified in budget review. All budgets are within approved parameters.

FINANCE COMMITTEE

The Finance Committee meeting met on February 2, 2022 and discussed the following:

1. Summary of Prepaid Claims
2. Memo Re: DPW Update
3. Memo Re: DPW Responsibilities
4. NTH Proposal for STF Roof Repair Design and Oversight

The Committee had no objections to the claims. The committee put forth a recommendation for the BPW to approve the NTH proposal.

GOALS and OBJECTIVES

Staff will continue to monitor these items and include additional as the need arises. Staff has added ordinance and rate reviews as priority tasks. Also, management reviews is included as a priority.

Staff submitted position description information to the County for use in its position/wage study currently being conducted. Staff will keep the board updated.

I	"Top 10" List	Status
1 SCADA Upgrades (Shop)	X Complete	
2 DPW Job Classifications	Ongoing	
3 "Green Book"	at Twp Level: see Item 6	
4 Asset Management		
System Mapping		
Phase I	X Complete	
Phase II	X Complete	
Phase III	Ongoing	
CGAP Award	X Complete; awaiting pymnt	
CMMS	pending Mapping	
Valve/Hydrant Maintenance Program(s)	X Complete	
Meter Replacements	90%+ Complete	
SCADA Inventory & CIP	90% Complete	
Standby Power Assessment	Ongoing; 3 onsite gens	
5 Cross Connection Control Program		
Compliance with DEQ Regs	X Complete	
BPW/FINANCE	X Complete	
TWP	X Complete	
Enhance DPW participation	X Ongoing	
6 Review and Update Water/Sewer Ordinance(s)	Ongoing	
RFP for Legal Services dated 12/13/18	X Complete	
Proposals due March 8, 2019	X Complete	
7 Annual Rate Reviews/Updates by Resolution	RFP 12/5; UFS	
8 Management Reviews	X Completed for Director	
II	Master Sewer Agreement (MSA)	Status
1 Capacity Lease - Expired 12/7/2014	X Complete	
2 Capacity Sharing Agreement	X Complete	
3 Amend MSA	X Complete - 2016	
III	WWTP - Membrane Replacement	Status
1 2014 Membrane Project	X Complete	
2 2015 Project - 3 Membranes	X Complete	
3 2016 Project - 1 Membrane	X Complete	
4 2017 Project - 1 Membrane	X Complete	
5 2018 Project - 1 Membrane	X Complete	
6 2019 Project - 1 Membrane	X Complete	
7 2020 Project - 1 Membrane	X Complete	
8 Capital v Maintenance	X Decemebr 8, 2016	
9 Bacteria Acadamia Consultation	3rd Report Published	
IV	Water Supply Contracts	Status
1 Master Meter Identification & Testing	X Annual - Complete 5/18	
2 Discussions w/City Re: Dual Meters	X Complete	
3 Rate Discussions	Pending	
4 Amend WSC	Pending	
IV	Septage Treatment Facility (STF)	Status
1 Communications	X Issues resolved; ongoing	
2 Customer Service	X Issues resolved; ongoing	
3 Card Reader Malfunction(s)	X Complete	
4 Status of Hoch Road Property	X Complete	
5 Business Plan Review	X Complete	
6 RFP for Operations	X Complete	
7 STF Improvements		
	Tank Inspections/Cleanings	X Complete
	Odor Control	X Complete
	SCADA	X Complete
	Card Reader/Bay Door Opener	X Complete
	5-Year Capital Improvement Plan	X see Project List
	Grit/Debris Removal	Study Completed

	New as of 2/2015	HOLDING TANK	Bay Harbor	AMERICAN WASTE	GREASE As of 7-2-2012	FAILED GREASE
SEP/TAGE .12 per Special Systems	Failed Systems Special .05	Special .04 per Waste .05	Special .04 per Waste .05	Source 1 .03 per gallon	Source 2 .03 per gallon	As of 7-2-2012 New-Aug 17 .19 per gallon
As of 2-1-2013 0.18 DATE per gallon	Rate .08 gallon	Special .05 per gallon	Special .05 per gallon	Special .05 per gallon	Special .05 per gallon	Total \$
December 2021						
12/1/2021	27,000	1,260	0.00	2,970	0.00	0.00
12/2/2021	19,600	1,300	0.00	0	0.00	0.00
12/3/2021	31,170	0	0.00	15,400	0.00	0.00
12/6/2021	7,170	710	0.00	3,000	0.00	0.00
12/7/2021	7,640	0	0.00	3,710	0.00	0.00
12/8/2021	10,900	0	0.00	11,650	0.00	0.00
12/9/2021	5,570	0	0.00	7,114	0.00	0.00
12/10/2021	12,240	0	0.00	4,180	0.00	0.00
12/11/2021	24,730	0.00	0.00	29,910	0.00	0.00
12/14/2021	21,950	0	0.00	31,480	0.00	0.00
12/15/2021	24,970	920	0.00	20,280	0.00	0.00
12/16/2021	11,600	0	0.00	3,820	0.00	0.00
12/17/2021	20,290	0	0.00	5,170	0.00	0.00
12/18/2021	2,130	0	0.00	0	0.00	0.00
12/20/2021	12,780	0	0.00	8,860	0.00	0.00
12/21/2021	22,720	0	0.00	22,030	0.00	0.00
12/22/2021	1,150	0	0.00	1,920	0.00	0.00
12/23/2021	5,630	0	0.00	8,010	0.00	0.00
12/24/2021	6,050	0	0.00	4,320	0.00	0.00
12/27/2021	3,780	0	0.00	5,970	0.00	0.00
12/28/2021	15,060	0	0.00	0	0.00	0.00
12/29/2021	9,810	0	0.00	2,750	0.00	0.00
12/30/2021	12,870	0	0.00	13,120	0.00	0.00
12/31/2021	2,310	0	0.00	2,860	0.00	0.00
December 2021 Total	319,120.00	0.00	208,564.00	0.00	0.00	0.00
TOTALS	77,053,351.11	334,751.00	126,580.00	42,514,612.92	6,620.00	437,640.92
				1,838,345.00	58,518,904.00	2,498,879.00
					2,761,500.00	7,990,356.87
						571,726.59
						\$75,776.99
						\$17,672,543.55
January 2022						
1/3/2022	6,550	0	0.00	6,120	0.00	0.00
1/4/2022	8,230	0	0.00	19,200	0.00	0.00
1/5/2022	5,880	0	0.00	9,280	0.00	0.00
1/6/2022	3,610	0	0.00	5,840	0.00	0.00
1/7/2022	9,610	0	0.00	13,320	0.00	0.00
1/8/2022	0	0	0.00	2,140	0.00	0.00
1/9/2022	0	0.00	0.00	1,760	0.00	0.00
1/10/2022	5,770	0	0.00	13,240	0.00	0.00
1/11/2022	5,520	0	0.00	0	0.00	0.00
1/12/2022	10,830	0	0.00	23,910	0.00	0.00
1/13/2022	14,030	0	0.00	0	0.00	0.00
1/20/2022	690	0	0.00	920	0.00	0.00
1/21/2022	3,450	0	0.00	2,700	0.00	0.00
1/24/2022	5,375	0	0.00	9,030	0.00	0.00
1/25/2022	8,880	0	0.00	0	0.00	0.00
1/26/2022	2,730	0	0.00	0	0.00	0.00
1/27/2022	2,870	1,540	0.00	13,870	0.00	0.00
1/28/2022	6,650	0	0.00	10,400	0.00	0.00
1/31/2022	2,560	0	0.00	10,760	0.00	0.00
January 2022 Total	134,445.00	0.00	163,180.00	0.00	0.00	0.00
TOTALS	77,187,795.11	336,231.00	126,580.00	42,617,792.92	6,320.00	437,640.92
						336,389.94
						0.00
						336,389.94

DA 14582
MAX 34,740

5118 one on 772+ CHP min 5118 one on 772+ CHP min

SEPTAGE TREATMENT FACILITY COMPARISON OF GALLONS RECEIVED (& THE DOLLARS THOSE GALLONS WILL GENERATE) SUMMARY

2020 DATE	2021		2022	
	TOTAL GALLONS	TOTAL \$	DATE	TOTAL GALLONS
January 2020	344,484	\$40,465.20	January 2021	420,966
February 2020	321,239	\$40,322.58	February 2021	384,818
March 2020	474,165	\$68,306.47	March 2021	514,097
April 2020	720,882	\$109,132.43	April 2021	962,522
May 2020	980,641	\$149,229.28	May 2021	947,917
June 2020	1,140,366	\$160,682.03	June 2021	957,590
July 2020	1,188,527	\$161,801.90	July 2021	1,094,532
August 2020	1,035,571	\$147,737.28	August correction	1,147,129
September 2020	980,448	\$145,636.66	September 2021	1,032,683
October 2020	1,081,572	\$159,067.37	October 2021	994,051
November 2020	754,580	\$113,791.20	November 2021	765,965
December 2020	574,788	\$80,110.80	December 2021	571,727
Totals	2020	9,607,263	\$1,376,283.20	Totals
			2021	9,793,997
				\$1,396,278.22
			Dec. 2021 compared to Dec. 2020	-3,061 -0.53%
				-\$4,333.81 -5.41%
			2021 to 2020	186,734
				\$19,995.02
			January-December	1.94%
				1.45%
			2019 to 2020	1,344,444
				\$209,261.48
			January-December	16.27%
				17.93%

2019 to 2020
January-December

2022 to 2021
YTD

**SEPTAGE TREATMENT FACILITY COMPARISON OF GALLONS RECEIVED (& THE DOLLARS THOSE GALLONS WILL GENERATE) SUMMARY TO-DATE
COMPARING THE SAME MONTH YEAR-TO-YEAR**

DATE	SEPTAGE TANK .12 As of 2-1-13 0 per gallon	New as of 2/20/15	HOLDING TANK .04 Special Systems .05 SPECIAL RATE	BAY		HARBOR New As of 6/1/08 .059 per gallon	AMERICAN WASTE Special Waste Misc. per gallon	TRAPS New .03 per gallon	GREASE As of 7/2/12 .03 per gallon	FAILED GREASE Aug. 2017 .19 .05 per gallon	TOTAL GALLONS Total \$ million	Percent of dollars Increase/ Decrease from Prev. YR same	
				BAY	HARBOR								
January 2006	72,595.00			136,318.00		21,677.00	0.00	0.00	0.00	231,184.00	\$15,464.54		
January 2007	76,778.00			148,462.00		0.00	483,000.00	0.00	0.00	708,240.00	\$34,471.84	122.91%	
January 2008	107,084.00			198,013.00		0.00	1,391,500.00	0.00	0.00	1,737,803.00	\$81,375.32	136.06%	
January 2009	71,335.00			185,785.00		0.00	1,276,500.00	0.00	0.00	1,570,345.00	\$58,683.60	-27.87%	
January 2010	59,901.00			134,794.00		0.00	2,152,000.00	now combined	171,700.00	26,849.00	2,545,044.00	\$55,498.76	45.65%
January 2011	85,639.00			116,312.00		0.00	0.00	0.00	0.00	243,780.00	\$19,830.24		
January 2012	153,211.00	0.00		107,453.00		0.00	0.00	0.00	0.00	309,975.00	\$28,492.76	42.96%	
January 2013	238,307.00	0.00		158,610.00	0.00	0.00	0.00	0.00	0.00	449,511.00	\$44,934.10	57.70%	
January 2014	91,071.00	0.00		120,328.00	0.00	0.00	0.00	0.00	0.00	250,417.00	\$29,822.60	-33.63%	
January 2015	130,240.00	0.00		115,490.00	0.00	0.00	0.00	0.00	0.00	276,383.67	\$35,041.94	17.50%	
January 2016	79,820.00	3,430.00	0.00	113,140.00	0.00	0.00	0.00	0.00	0.00	25,071.92	222,081.92	-28.39%	
January 2017	144,990.00	0.00	6,600	149,860.00	6,600	0.00	0.00	0.00	0.00	279,358.05	\$25,146.03		
January 2018	143,900.00	0.00	6,600	149,650.00	0.00	0.00	0.00	0.00	0.00	279,358.05	\$25,146.03		
January 2019	113,900.00	0.00	119,950.00	0.00	0.00	0.00	0.00	0.00	0.00	280,358.05	\$35,336.03	40.82%	
January 2020	127,550.00	2,530.00	0.00	146,170.00	0.00	0.00	0.00	0.00	0.00	325,407.70	\$39,036.59	10.47%	
January 2021	136,880.00	0.00	0.00	92,750.00	0.00	3,340.00	0.00	0.00	0.00	22,901.01	\$34,971.01	-12.75%	
January 2022	139,950.00	0.00	0.00	168,480.00	0.00	1,200.00	0.00	0.00	0.00	34,853.71	\$40,465.20	18.82%	
January	255,112.00	4,820.00	0.00	149,160.00	0.00	3,340.00	0.00	0.00	0.00	28,513.61	\$42,965.61	38.84%	
January	134,445.00	1,540.00	0.00	163,180.00	0.00	0.00	0.00	0.00	0.00	36,224.94	\$35,389.94	-29.93%	

SEPTAGE TREATMENT FACILITY COMPARISON OF GALLONS RECEIVED (& THE DOLLARS THOSE GALLONS WILL GENERATE) SUMMARY TO-DATE

DATE	New as of 2/2015			HOLDING TANK			BAY HARBOR			AMERICAN WASTE			GREASE TRAPS			FAILED GREASE			Percent of \$ Increase/ Decrease from Prev. YR same month
	SEPTAGE TANK	Frozen Systems	.04	Special As of 2/1-13	Special .05	Waste .05	CHERRY BLOSSOM	Special Waste	Special Misc.	Special per gallon	Special Rate	Special per gallon							
January 2020	139,950	0.00	0.00	168,480.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	344,483.71	0.00	\$40,465.20	18.82%	
February 2020	149,532.00	1,200.00	0.00	136,325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	321,236.95	\$40,322.58	9.03%		
March 2020	288,770	31,220.00	0.00	110,450.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	474,165.13	\$68,306.47	53.62%		
April 2020	548,894	620.00	0.30	154,030.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	720,882.47	\$109,132.43	20.98%		
May 2020	741,305	4,920.00	0.00	221,702.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	980,641.09	\$149,229.28	2.44%		
June 2020	773,950	2,820.00	0.00	322,420.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,140,365.97	\$160,682.03	23.38%		
July 2020	729,750.00	850.00	0.00	404,480.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51,446.84	0.00	1,188,526.84	\$161,801.90	16.09%
August 2020	701,484.00	3,570.00	0.00	297,240.00	0.00	0.00	5,199.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28,077.23	0.00	1,035,570.63	\$147,737.28	11.49%
September 2020	692,259.00	1,706.00	0.00	239,286.00	0.00	0.00	3,860.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43,322.85	0.00	980,447.85	\$145,636.66	13.51%
October 2020	770,010.00	0.00	0.00	276,370.00	0.00	0.00	7,880.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27,312.46	0.00	1,061,572.46	\$159,067.37	13.07%
November 2020	561,491.00	2,000.00	0.00	169,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	754,579.50	0.00	\$113,791.20	42.58%	
December 2020	3,461,10.00	3,000.00	0.00	180,770.00	0.00	0.00	4,861.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40,246.80	0.00	574,787.87	\$80,110.80	39.44%
	6,444,395.00	\$8,300.00	0.00	2,701,153.00	0.00	0.00	24,820.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	378,594.00	0.00	9,607,262.47	1,376,283.29	
January 2021	235,112.00	4,820.00	0.00	149,180.00	0.00	0.00	3,340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28,513.61	0.00	420,965.61	\$56,183.55	38.84%
February 2021	201,050.00	2,610.00	5,930.00	145,890.00	0.00	0.00	2,440.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26,888.12	0.00	\$49,563.04	22.92%	
March 2021	341,580.00	8,670.00	1,260.00	127,880.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	514,097.20	\$75,240.37	10.15%		
April 2021	688,710.00	3,670.00	0.00	206,680.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53,492.00	\$92,562.00	\$146,557.56	34.29%	
May 2021	661,300.00	3,450.00	0.00	290,140.00	0.00	0.00	3,350.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29,676.67	0.00	947,916.67	\$138,072.57	7.48%
June 2021	609,350.00	8,500.00	0.00	287,460.00	0.00	0.00	4,15,550.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52,279.77	0.00	957,588.77	\$134,689.16	-16.19%
July 2021	612,969.00	11,240.00	0.00	145,550.00	0.00	0.00	8,020.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54,772.65	0.00	1,054,531.65	\$142,417.92	-11.98%
August 2021	748,569.00	4,740.00	0.60	346,660.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44,239.34	\$9,99	1,447,129.34	\$161,398.87	-9.26%
September 2021	741,400.00	4,710.00	0.00	348,760.00	0.00	0.00	8,020.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44,239.34	0.00	1,147,129.34	\$161,125.87	
October 2021	751,480.00	5,210.00	0.00	240,640.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35,320.46	0.00	1,922,682.46	\$154,432.17	6.04%
November 2021	681,930.00	1,600.00	0.00	260,860.00	0.00	0.00	4,870.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44,760.84	0.00	934,050.84	\$145,314.06	-8.65%
December 2021	562,760.00	2,760.00	0.00	161,980.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37,265.03	0.00	765,965.03	\$16,924.96	2.75%
	6,416,761.00	61,330.00	7,196.00	2,803,624.00	0.00	23,220.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39,632.59	0.00	571,726.59	\$75,776.99	-5.41%
January 2022	134,445.00	1,540.00	0.00	163,180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	481,900.28	0.00	9,794,025.28	\$1,396,278.22	
	TOTALS	2005-2022	77,187,793	336,281	126,580	42,677,793	6,320	437,641	1,838,345	58,518,905	2,761,601	2,498,679	8,026,577	10,236	194,427,164	\$17,711,939			
January																			

Grand Traverse County Board of Public Works

Thursday, January 13, 2022

Regular Meeting Minutes

2021 Officers:

Chair:	Jeff Shaw
Vice-Chair:	Doug White
Secretary:	Rob Lajko

CALL TO ORDER

The Director called the regular meeting of the Grand Traverse County Board of Public Works to order at 9:00 a.m. at the Garfield Township Hall located at 3848 Veterans Drive, Traverse City, Michigan. The Secretary was present.

ROLL CALL

PRESENT: Beth Friend, Bob Fudge, Rob Lajko, Andy Smits (9:03), Marty Colburn, Doug White, Jeff Shaw, and Chuck Korn
ABSENT: Darryl Nelson and Rob Manigold
STAFF: John Divozzo and Dianne Thompson
Also Present: Mark Huggard; Jacobs, Jennifer Hodges; GFA, Art Krueger; City Director of Municipal Utilities, and Joanne Tuck (LIAA Videographer)

ELECTION OF BOARD CHAIR

MOTION by BETH FRIEND to nominate Jeff Shaw as Chair; second by Doug White. There were no other nominees.

The Motion PASSED unanimously.

ELECTION OF BOARD VICE CHAIR

MOTION by JEFF SHAW to nominate Doug White as Vice Chair; second by Chuck Korn. There were no other nominees.

The Motion PASSED unanimously.

ELECTION OF BOARD SECRETARY

MOTION by BETH FRIEND to nominate Rob Lajko as Secretary; second by Bob Fudge. There were no other nominees.

The Motion PASSED unanimously.

PUBLIC COMMENT

The dates for the next meetings need to be revised to February 2nd for the Finance meeting and February 10th for the Board of Public Works meeting.

APPROVAL OF AGENDA

MOTION by ANDY SMITS to approve the agenda as amended; second by Doug White.

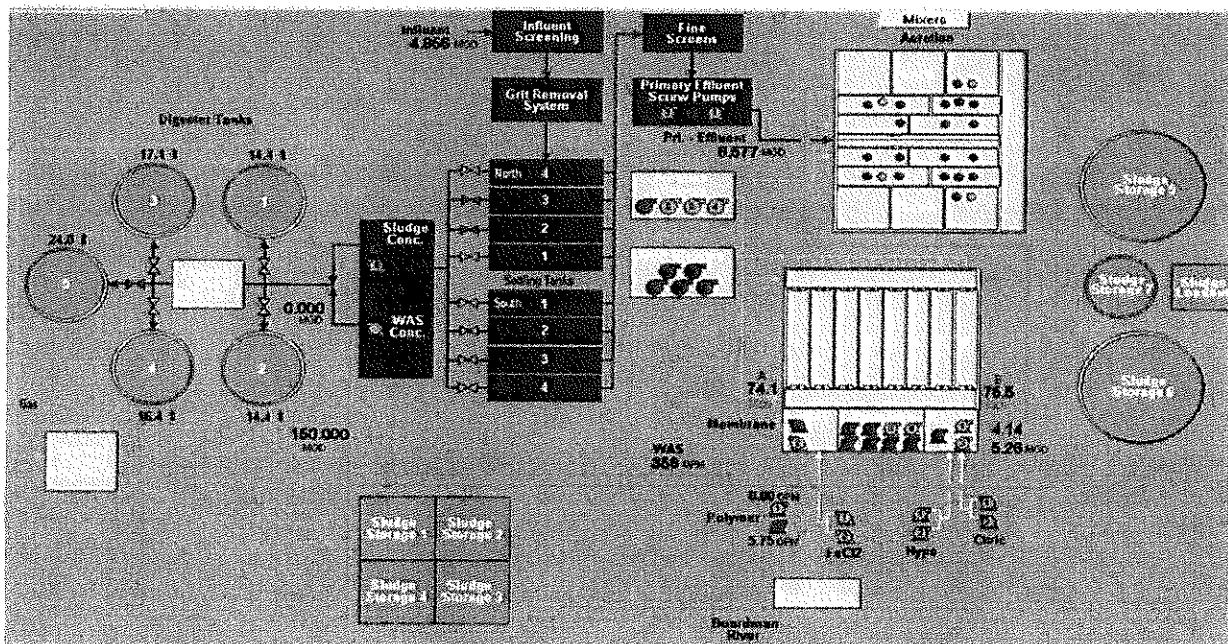
The motion passed unanimously.

REPORTS

1. Jacobs Monthly Operating Report

Jacobs submitted a written report and Mark Huggard was present to discuss it with the board.
TCRWWT

Plant Schematic



The general condition and operating status of the equipment used at the treatment facility and related lift stations, as well as issues of concern; are summarized in the attached TCRWWTP Equipment Status Overview and TC Lift Stations Status Overview Tables or in the TCRWWTP Capital Improvement/Repair Initiatives Table.

Compliance

The treatment facility was in full compliance with its discharge permit through the month of November.

Industrial Pretreatment

Munson Medical Center submitted their required Self-Monitoring Report and were found to be in full compliance with their discharge permit. The Control Authority also approved their Slug Control Plan.

CRM's Toxic Organic Management Plan (TOMP) was approved by the Control Authority.

Last month, we reported that we were working on a discharge permit for the newly identified categorical user, SMI Aerospace. Since, SMI Aerospace has elected not to use the passivation process that was the bases of their categorical user status; they are no longer considered a Categorical user and no longer require a permit. The Control Authority will perform a follow-up inspection to ensure the equipment related to the passivation process has been removed from the production floor.

Michigan Department of Environment, Great Lakes, and Energy (EGLE) PFAS Interim Strategy-Residual Management Plan Modification

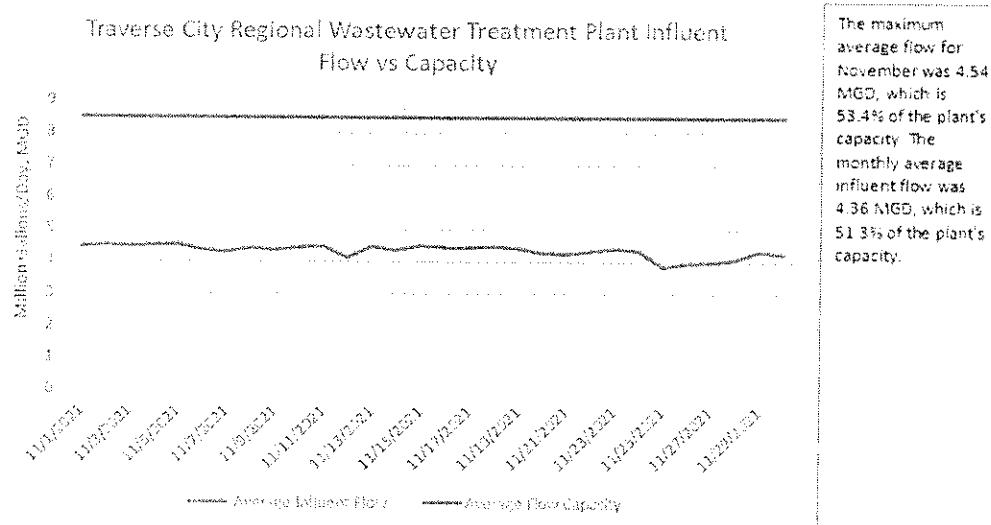
As part of EGLE's PFAS Interim Strategy, they issued a letter in April of 2021 that effectively modified the Residual Management Plans (RMP) for all facilities land applying biosolids. The modification required facilities with an RMP to sample and analyze their biosolids for PFAS compounds. When analyzed, GTSF's biosolids were found to have

elevated levels of per- and polyfluoroalkyl substances (PFAS). Specifically, the level of perfluorooctane sulfonate (PFOS) was measured at 99 µg/kg on April 28, 2021 and 97 µg/kg on August 12, 2021. As part of the RMP modification, when PFOS levels are between 50 and 150 µg/kg, EGLE requires an investigation of potential sources and ultimately the development of a source reduction plan. Jacobs completed Phase I of the required investigation and provided a related technical memo, with recommendations, to the County DPW. As part of Phase II of the investigation, within the jurisdiction of the Control Authority, we sent surveys to the facilities identified in Phase I as potential sources of PFAS. SMI's Automotive Division on Cass Rd was identified as a potential PFAS source in Phase I. SMI Automotive was flagged because they had frequently hauled to the Septage facility during the periods of time in question and because they are an industrial operation. Jacobs' inspection of the facility found that they adequately isolate industrial waste from the collection system. Their industrial waste hauler manifests support the fact that the waste is being disposed of offsite by a licensed contractor. At this time, we believed the frequently hauled waste from SMI Automotive is septic tank waste. The septic tank at this facility was found to be undersized for the number of employees onsite which results in a need to have the tank hauled more frequently. We will perform inspections at all other flagged facilities in 2022.

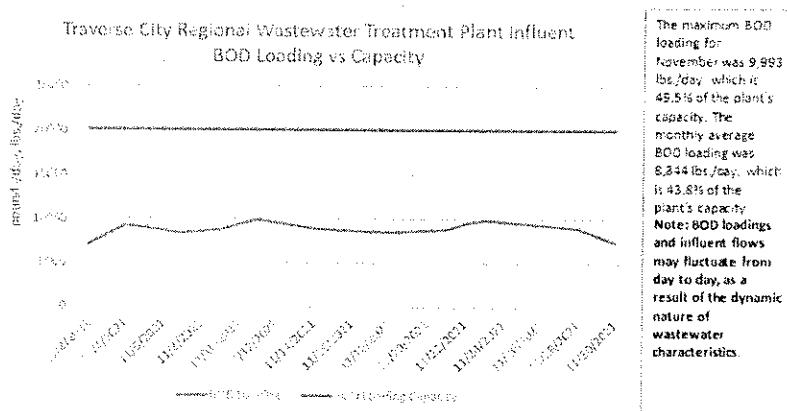
Capacity

Wastewater Treatment Facilities are designed with a certain hydraulic (flow) and organic (Biochemical Oxygen Demand, BOD) loading capacity. The monthly average flow loading capacity of the TCRWWTP is 8.5 million gallons per day (mgd). The organic loading of pollutants is the measure of the presence of BOD in the waste stream entering the treatment facility in pounds per day (lbs./day) and represents the strength of the wastewater. The BOD loading capacity for the TCRWWTP is 20,200 lbs./day. The Michigan Department of Environment, Great Lakes and Energy (EGLE) requires that when a facility is within 80 percent of its design capacity, a plan be devised to either add capacity to a facility or reduce loadings. The graphs below compare current flows and loadings with plant capacity.

Influent Flow vs. Plant Capacity

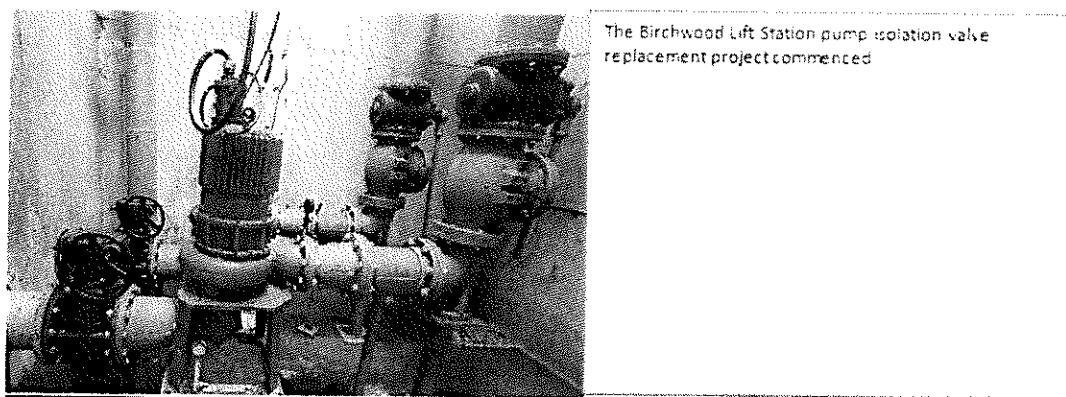
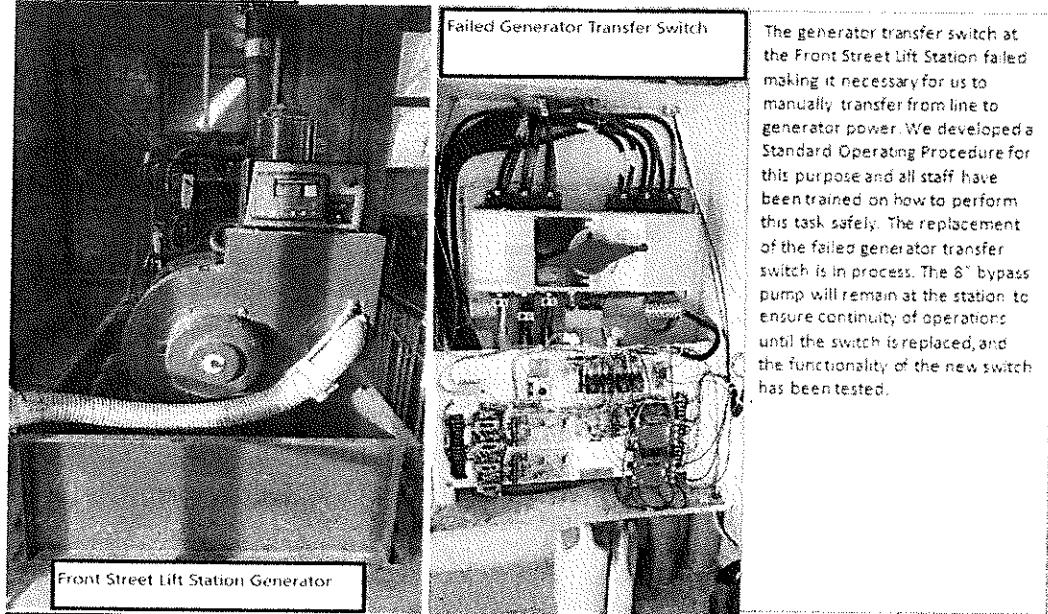


Biochemical Oxygen Demand (BOD) Loadings vs Plant Capacity

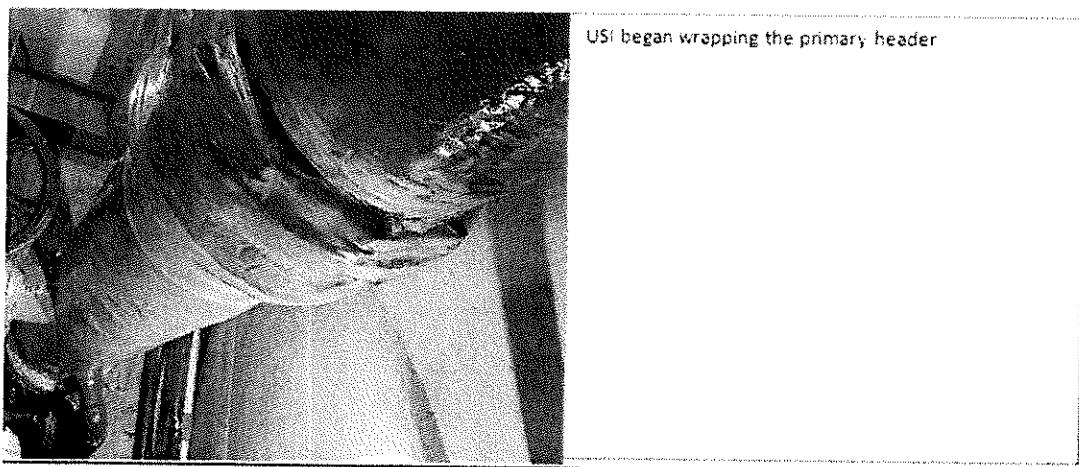


Operations and Maintenance

Pump Stations (lift stations)

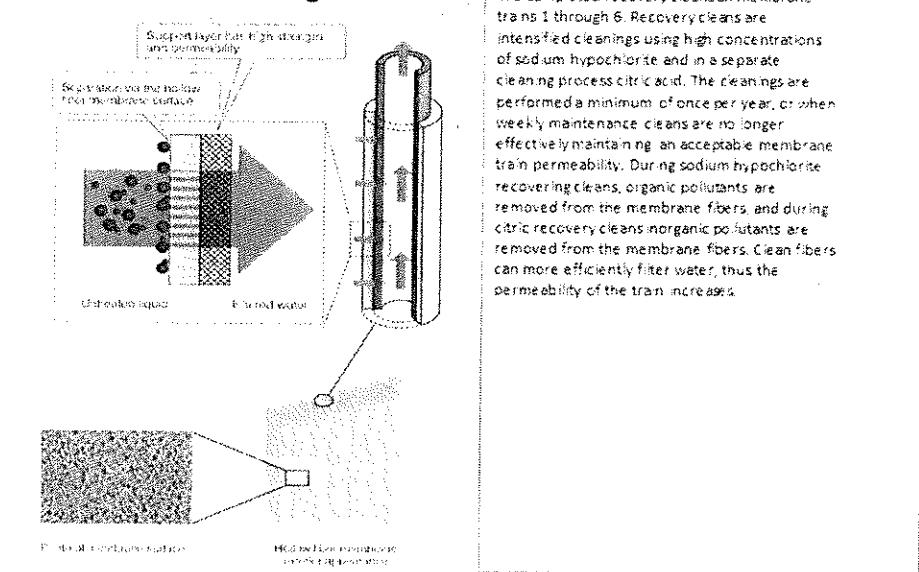


Headworks (Preliminary/Primary Treatment)

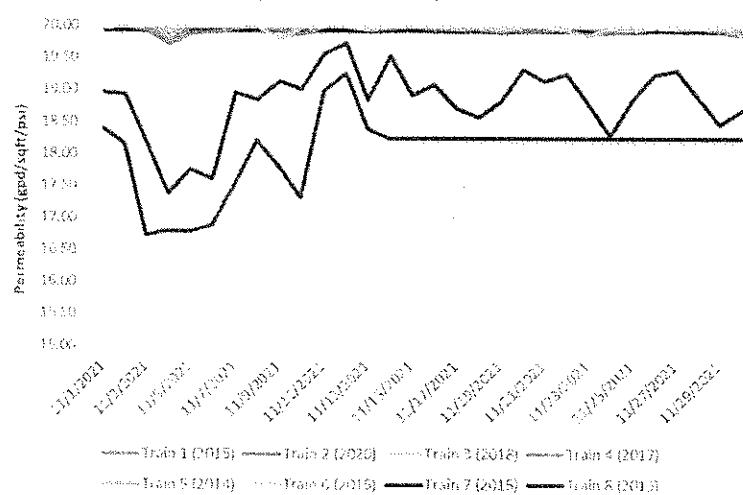


Secondary Treatment

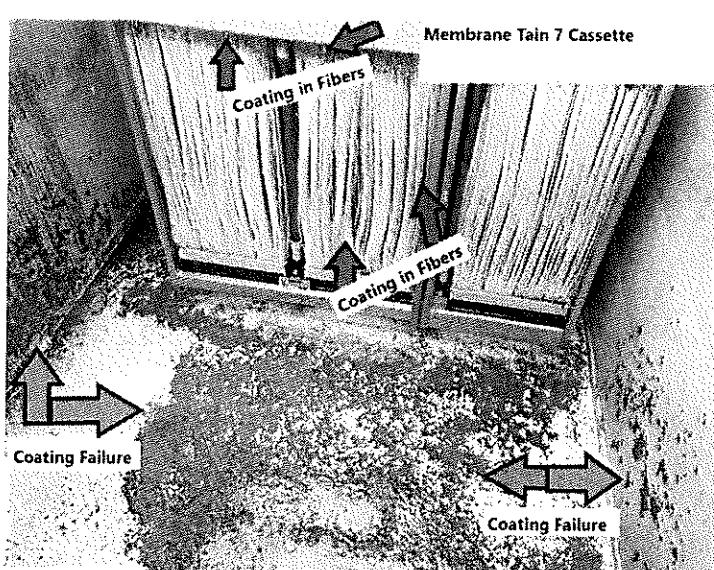
Membrane Filtration Diagram



Daily Average Permeability-November 2021



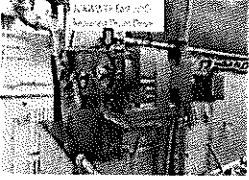
We are able to permeate at a rate that surpasses current flow demands and produce an effluent that meets, and for many parameters, exceeds EGLE requirements. Note: Train 7's permeability is flattened from being out of service for maintenance and train 8's permeability is lower as it has not received a recovery cleaning at this time.



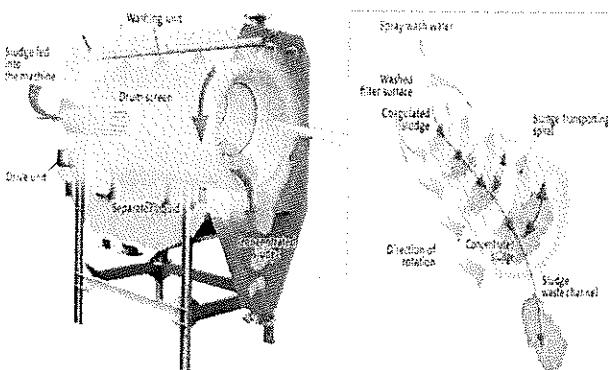
During an inspection of the membrane trains, we observed the coating in train 7 had failed in some areas. As a result, we removed the train from service and are currently working to remove the loose coating from the cassettes. Jacobs' engineers will be assessing the coating failure and making recommendations pertaining to future treatment of the concrete in the membrane tanks.

Lubricant Analysis Report		
 Xamico® Oil Analysis North America: +1-600-633-7621		
 <small>Sample ID: 1 2 3 4 5 6 Lab Number: 138532 Calibration: 100% SAE 30 Date Analyzed: 01/06/2021 Sampled: 08-Nov-2020 Received: 01-Dec-2021 Digitized: 04-Dec-2021</small>		
Account Information: Account Number: 59360-0633-603 Company Name: JACOBS Contact: ANDREW JASLOCH Address: 100 HANNAH AVE TRAVERSE CITY, MI 49684-1014 US Phone Number: 231-459-2842		
Component Information: Component ID: TRA-2033-C Sampling ID: JACOBER-B Component Type: COMPRESSOR Manufacturer: AIRZEN Model: GM150 Application: AUTOMOTIVE Sump Capacity:		
Fiber Information: Fiber Type: Infrared Express Fiber Rating: G		
Miscellaneous Information: Product Manufacturer: LUBRICATION ENGINEERS Product Name: 6000 MULTIFLEX Secondary Grade: Industrial Oil		
Comments: <small>This indicates no abnormal findings. Resample after maintenance if required or after 6 months. If abnormal findings please provide it in a vacuum sample with next sample.</small>		

Solids Handling



General Diagram of a Sieve Drum Concentrator



The diagram illustrates the process of a sieve drum concentrator. Sludge is fed into the machine from the top left. It passes through a rotating drum screen (Sieve Screen) where larger solids are separated and removed. The remaining liquid (Washed water) and smaller solids (Concentrated sludge) are collected. The concentrated sludge is then washed with more water (Washed filter surface) and further processed. Finally, the treated sludge is transported via a conveyor belt (Sludge transport belt) to a storage tank (Sludge water tank).

We regained digested sludge thickening equipment redundancy with the completion of the replacement of the east sieve drum concentrator's drum drive assembly.

The treatment of wastewater generates solids byproducts that also must be treated to meet regulatory standards for disposal. The treatment of these solids is commonly called stabilization. Anaerobic digesters stabilize the solids generated at the facility. After stabilization, the digested sludge is concentrated to optimize the storage space on site and minimize disposal costs which are often calculated on a per gallon bases. The sieve drum concentrators are used for this purpose. (Refer to the provided diagram for an overview of how these concentrators work) Once concentrated, the digested sludge (biosolids) is sent to storage tanks and eventually disposed of via land application. Land application is the beneficial reuse of nutrient rich biosolids on preapproved farm fields. Land application is overseen and regulated by EGLE.

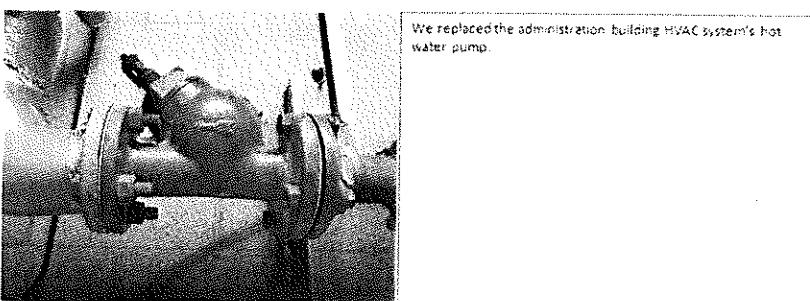
Biosolids Storage

No updates for this month.

Disinfection

No updates for this month.

Ancillary Equipment



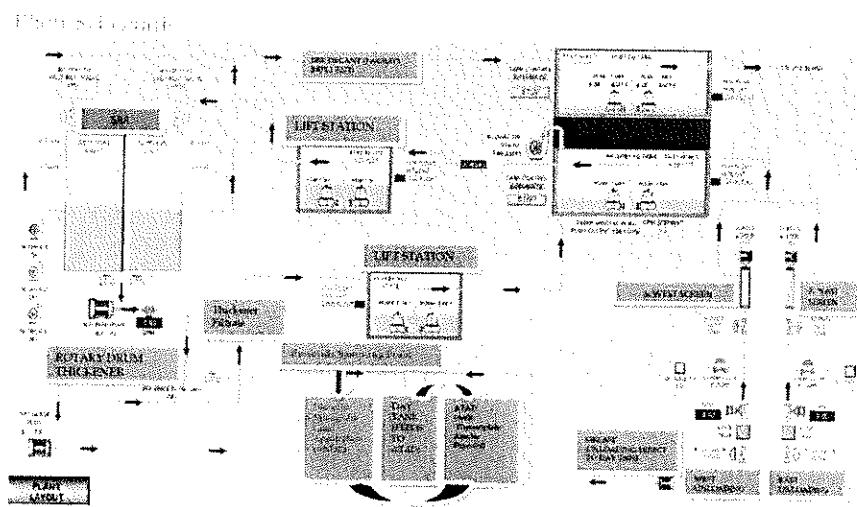
SCADA Security

To help protect the facility's SCADA network from cyber threats, at no additional cost to the City, Jacobs initiated the use of CyberX. The CyberX platform is the simplest, most mature, and most interoperable solution for auto-discovering assets, identifying critical vulnerabilities and attack vectors, and continuously monitoring ICS networks for malware and targeted attacks. The tables below summarize the cyber alerts received in the first part of December and their current status, as well as a list of SCADA Network assets that are monitored by CyberX.

SCADA Network Assets Monitored	
Device Type	Number of Devices
Workstation	25
Switch	8
Server	1
Positive	4
PIC	22
Engineering Station	4
Unknown	62
Total	122

CYBERX- December 1st-14th Alert Summary		
Date	Alert Message	Status
12/5/2021	Unauthorized Internet Connectivity Detected	Resolved- Not a real threat. Program needs to be updated to recognize W:N911 address
12/6/2021	etherNet/PPC Service Request Failed	In-communication between two devices in the SCADA Network. Will need to have IFLC and workstation configurations examined for errors

Grand Traverse County Septage Treatment Facility (GTCSTF)



Process Status Overview

Grand Traverse County Septage Treatment Facility Process Status Overview

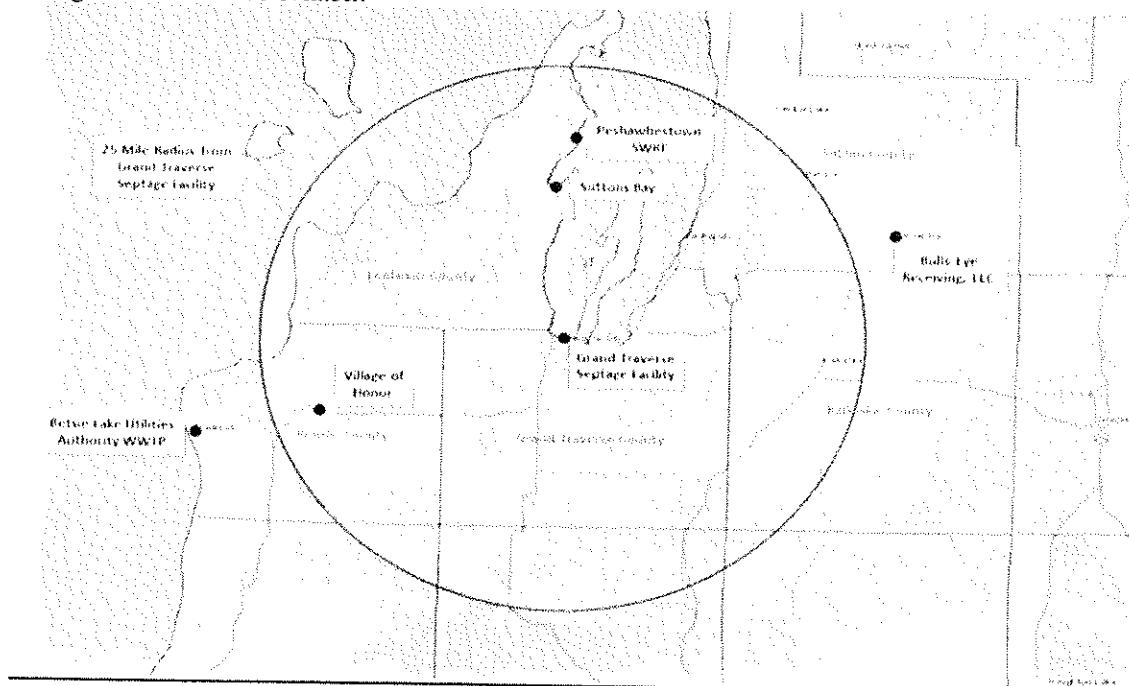
Related Documents: Report on Engineering Inspection and Condition Assessment -Grand Traverse County Septage Treatment Facility, NTH December 2018 | Grand Traverse County Septage Treatment Facility Condition Assessment, Jacobs 2019 | Grand Traverse County Septage Treatment Facility-Capacity Evaluation, Jacobs 2019

Process Area	In Service	Rated Solids Capacity	Used Capacity, per the 2019 Capacity Study	Equipment Status	Capital Improvement/Repairs Scheduled
Sequence Batch Reactor	2005	20,500 gpd (peak month)	32,000 gpd (peak month)	Inservice	Repairs needed to tank's roof and walls per the 2018 structural assessment- in process | Capacity increasing projects have been included in the facility's CIP
Auto thermophilic Aerobic Digester	2005	10,000 lb./day at 5% total solids (TS) With 69% volatile	4,700 lbs./day or 47% of design capacity (peak month)	Inservice-ATAD Jet pump VFD OOS	Repair of Jet Pump VFD is in progress | Day tank and ATAD tank-tank and roof repairs needed per the 2018 structural assessment are scheduled in the CIP
Storage Nitrification/Denitrification Tank	2005	150 days of Storage Recommended	150 days of Storage	Inservice	Capacity increasing projects will be included in the CIP

The general condition and operating status of the facility's equipment, and issues of concern are summarized in the GTCSTF Process Status Overview Table or in the attached GTCSTF Capital Improvement/Repair Initiatives Table.

2. Facility Status

As required by the facility's state approved operations plan; holding tank, grease, septage, and preapproved special waste generated within a 25 miles radius of the facility, was able to be accepted 24 hours a day, seven days a week throughout the month of November.



Please refer to the IPP section of this report for an update on the PFAS Source Investigation.

3. Facility Operation and Maintenance

The facility is operating well.

The last biosolids haul of the year was completed. A total of 277,550 gallons were hauled from the facility and land applied in accordance with the facility's State approved Residual Management Plan.

4. Offloading Rates

The minimum 7-day moving average for offloading rates in November was 145 gallons/minute and the average was 175 gallons/minute. Our minimum target is 125 gallons/minute. The pictures below, depict the general condition of the unloading bays. The bays are cleaned a minimum of twice a day.

2. Engineer of Record

Jennifer Hodges of Gourdie Fraser reported that work continues for the Specification updates. The integrator has been busy, and she is waiting for information from Top Line. Control panels at some stations are in a critical status and some parts are obsolete. She is preparing a priority list and budget numbers.

3. Shop

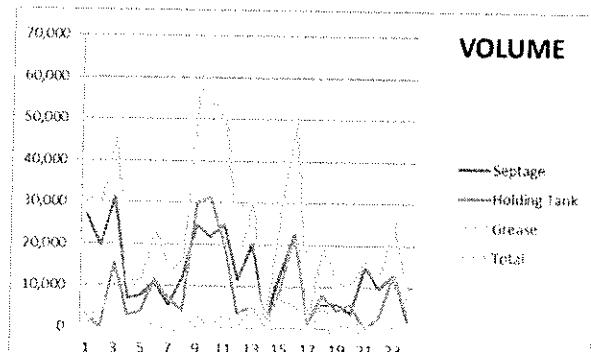
No written report was submitted.

4. Director

John Divozzo submitted a written report and was present to discuss it with the board.

SEPTAGE TREATMENT FACILITY BUDGET ANALYSIS 2021

FINANCIAL		BUDGET		
REVENUES	CURRENT	Y-T-D	INITIAL	ADJ
FEES & CHARGES	116,313	1,281,289	1,180,999	-
PERMITS	2,975	50,575	39,025	-
	119,288	1,331,864	1,220,024	-
		109.2%		
EXPENDITURES		BUDGET		
EXPENDITURES	CURRENT	Y-T-D	INITIAL	ADJ
PERSONNEL	5,641	58,514	68,697	-
COMMODITIES	164	4,549	5,782	-
CONTRACTUAL SERVICES	21,107	414,289	750,982	-
OTHER	52,188	245,245	269,474	-
CAPITAL OUTLAY	-	-	-	-
DEBT SERVICE	-	15,038	125,089	-
	79,100	737,635	1,220,024	-
		60.5%		
CURRENT		Y-T-D		
REVENUES	119,288	1,331,864		
EXPENDITURES	79,100	737,635		
GAIN/(LOSS)	40,188	594,229		
December		100.0%		



Volume Data: **TOTAL:** 571,727 gallons; **AVERAGE:** 23,822 gal/day; **MAX:** 57,172 gallons

- Septage: 319,120 gallons
- Holding: 208,564
- Grease: 39,853

PFAS/PFOS Testing: Results came back for biosolids testing at the facility – positive for PFOS at 99 ppb. This means that the facility will need to implement a mitigation plan, which is already drafted and planned on being implemented until results come back at lower amounts or negative. The source of this contaminant is unclear, but EGLE representatives have indicated that it is indicative of landfill leachate, which is not accepted at the facility. Effluent was tested and came back positive and above water quality standards of 12 ng/L. Subsequent testing of the WWTP effluent identified levels well below the water quality standards.

The Facility was tested again on August 12, 2021, with results being very similar to the first round. Jacobs submitted an OOS Proposal for a PFAS Survey that was approved by the board last month. This is for a Phase 1 study to aid in the determination of the source.

Phase I Report is complete.

Phase 2 Request is included on the agenda.

Facility Update(s)

The tank cleaning/inspection project is complete. A presentation was made to the board on January 10th, 2019. The following recommendations were included in the final report:

- MBR: additional monitoring of cracks and installation of a waterproofing system (Xypex) to the exterior walls and installation of waterproofing to the topping slab.
- SNDR: undergo water tightness testing and reassess the condition of the flexible liner.
- Day Tank: replace existing flexible liner immediately (within 2-3 yrs) and repair concrete as needed.

- ATAD: the control joints should be filled with sealant; tank access hatch to roof screws replaced with 316 stainless; and removal and repair of the bubbled areas of the EPDM roof.

The Board approved an amendment to the original project to complete the monitoring and to provide estimates of cost regarding several of the recommendations. The amended scope of work, to include capacity study was completed on April 10th, 2019. The report was submitted to the BPW, and a presentation was made at a special meeting on April 24th.

The following table describes the recommendations resulting from the study :

Table 6.2 Recommended Facility Improvements and Schedule

Capital Improvements (Immediate Needs)	Capital Cost (2019 Dollars)	Recommended Schedule (See notes below for additional details)
SBR Upgrade Projects		
<ul style="list-style-type: none"> ▪ Blower Upgrades ▪ Filtered Air System ▪ D-2000 Return Siphon Line ▪ Aerial Photo Overhead Camera ▪ Increase Number of Divers & Gaskets ▪ EPDM Roof Repairs 	\$1,100,000	Review 2020 – Start design Fall 2021 – Construction
Oil Tanker Fuel Station	\$20,000 - \$30,000	Planning, Aids Fuel Service Fall 2021 – Complete
Total Immediate Needs	\$12,120,000 (Total)	Completed 2026
Capital Improvements (Dependent Upon Results of SBR Improvement Project)	Capital Cost (2019 Dollars)	Recommended Schedule (See notes below for additional details)
A-2000 Scrubbing Tower	\$1,000,000	Planning 2021 – Start design Fall 2021 – Construction
A-2000 Return Pump	\$1,000,000	Planning, permitting, and other work to take several months to 1-2 years
NTH Inspections	\$1,000,000	Not required until after the SBR is completed. Includes inspection, maintenance, and repair of NTH equipment and structures. Staff will continue to do regular inspections and will review the facility in accordance with the contract.

A revised list of recommendations was presented to the Finance Committee on May 1, 2019. The revisions were a direct result of staff requests to re-prioritize the projects for maintenance and capital with special attention to budget constraints in this fiscal year. This list is updated for the 2021 Budget

Blower Upgrades

Jacobs submitted an OOS Agreement for the completion of this project. This was discussed at Finance. The BPW approved this project and agreement at its meeting on September 12, 2019. The BPW approved a budget amendment for this work at the February meeting because the project could not be completed in 2019. The Project is complete; 3 of 3 installed.

- Grit Study

The grit study is complete, and the final report has been submitted to the BPW. Jacob's recommendations are as follows:

- Purchase and installation of a mechanically cleaned grit removal system by the year 2021. A cost estimate for the project is included in the report as Appendix C; \$492,000, plus contingency of about 20%.

Staff supports the project for several reasons, but most notably is the reduction in operating/maintenance costs for the facility that will pay for the system within 8 years. Subsequent operating costs and annual schedule of cleanings is also reduced.

Service Contract – STF Operation and Maintenance

The new contract has been approved and executed – expires on March 31, 2026 and is renewable in four-year terms unless cancelled. Staff and Jacobs have revised the billing procedures for maintenance projects. The previous method included providing a \$10,000 O&M budget and then reconciling at year end for any costs under/over budget. This created the problem of waiting until year end to get an invoice or refund. With our current CIP, the O&M costs will exceed \$10,000 every year. This made it difficult to budget and plan specific projects. Paying for maintenance as it occurs allows us to prioritize projects and ensure funds are available.

The 1st Amendment was approved for 2019, which increased the base fee 2.25%.

A revised Service Agreement (2020) was approved by the BPW in November 2019. Jacob's included additional services related to support/emergency assistance for water and sewer operations on an as-needed basis. A scope of work and contractual rates has been established through the Amendment.

The 2nd Amendment (2021) was approved by BPW on January 14, 2021. The Amendment further refines what is considered routine O/M and what is not; will eliminate some more utility bills and will include synchronized budgets for easier management and budgeting.

The 3rd Amendment (2022) is included on the agenda.

NTH STF Roof Inspection

NTH completed its inspection of the SBR roof and found maintenance items necessary, but no major issues related to structural integrity. Staff received a final report and the Scope of Work to complete repairs. Staff is currently working on an OOS Agreement with Jacobs to submit to the board for approval.

Decommissioned Equipment Form: Attached for reference.

DPW

1. Staff

DPW has two employees out on disability and the sewer/water manager position is vacant. After speaking with staff, we do not have an in-house employee willing to seek a promotion to this position. We posted the position and received one response. The individual was interviewed and is qualified for the job. We are in negotiations with him currently. I was afforded some authority, but the County Administrator is in discussions currently. In the interim, staff will work together to keep the machine rolling.

2. Budgets

The 2022 Budget was approved by the Board at our meeting in November.

3. Asset Management Plan(s)

Basic: Staff submitted the basic asset management plan to the DEQ by March 1, 2018.

GIS Base: Phase 1 included compilation of a base map and data collection. Phase 2 included integration of system documentation such as, lead reports and as-builts. GFA presented the results of Phase 1 and 2 to the Board in February 2017.

Phase 3 is ongoing and requires inventory of all major and minor assets. Inventory of assets is completed through GPS location of the asset and Condition Assessment of the asset to prioritize the asset's criticality for budgeting and rate setting. This may take several years to complete. GFA and Topline have inspected each major asset and we are developing the condition assessment for each.

Work associated with the CGAP Award has been completed and staff has received payment of the final grant award amount is \$113,811. Staff also received the grant close-out letter. Staff recently submitted a Final Follow-up Report. This is included in this report.

4. **Master Meters:** Master Meter readings were satisfactory this month. Staff completed master meter testing for both water and wastewater. DPW met with the city and submitted a memo regarding under reported water volumes for Garfield for 2011/2012 – 2017/2018. Staff followed up with an email to include 2019/2020 numbers. Staff met with the city a second time and is awaiting the results of this meeting.
5. **Customer Meters:** We are slowly getting back to full time meter change outs; still prioritizing installs to minimize impact to our customers and staff due to COVID-19.
6. **Well Systems (Water):** Preliminary testing did not reveal any contaminants in the public water supplies; mandatory routine testing is required for well systems in 2021.
 - a. East Bay Twp was made aware of groundwater contamination near the Airport and Coast Guard and worked with EGLE, the Health Department, and residents to remedy the situation. All 18 properties have been connected to the East Bay system and the project is complete.
7. **Miscellaneous:**
 - a. **COVID -19:** The County is open without mask mandates or protocols except for the health care industry. Individual policies may be in place.
 - b. **Contracts:** The County adopted a new policy requiring the Administrator signature on contracts; BOC approval for those greater than \$25,000.
 - c. **Surplus Equipment:** The DPW is reviewing inventory and submitting requests to designate some items as surplus. The first was a pumping system that has never been used and is taking up valuable space in the Shop. The equipment was sold.
 - d. **Consumer Confidence Reports:** The annual water quality reports are complete.
 - e. **Miami Beach:** The annual pumpage report is attached for reference and has been submitted to EGLE.

Hoch Road

Hoch Road debt will exist until the bonds are paid off in 2022; sale of this property before this time is highly unlikely. **The board approved a policy for the use of this property at our last meeting.** Staff has posted the policy online and has installed signage. Issues related to public use of the land are now being handled by the Sheriff's department using existing laws.

Standard Specifications

The 2017 Edition of the Standard Specifications are approved and posted to the DPW website. Staff has begun work on updating these specs to represent current industry and department practices more accurately. These updates will include discussion on public vs. private infrastructure and DPW review of plans.

Acme/East Bay Township Sewer

Staff is comfortable with the new flow allocations for the two townships. With Acme sewer bypassing EB#2, the formulas were modified resulting in a slightly different percentage for each township. The previous proportion was East Bay 65%; Acme 35%. Currently, the proportion is East Bay 58%; Acme 42%.

Legal Counsel Retainer Agreement

The board approved a new 3-year contract with Olson, Bzdok, and Howard. The new hourly rate is \$165. This contract expires June 2021. The Board approved a renewal pending review of financial terms.

SCADA Integration Services Contract

The BPW approved a contract with Topline in March 2017. The contract was for two years with up to two 1-year renewals. Staff missed the 2-year deadline last year and almost missed it this year. The BPW approved the renewals in March. This contract would expire **March 9, 2021**.

The Finance Committee reviewed a request by staff to extend this contract an additional 2-3 years with options for renewal. The Board approved a renewal pending review of financial terms.

Monthly Budget Report

The monthly budget reports have been submitted to the board for approval. No major issues were identified in budget review. All budgets are within approved parameters.

FINANCE COMMITTEE

The Finance Committee meeting met on January 5, 2022, and discussed the following:

1. Summary of Prepaid Claims
2. STF Service Agreement – 2022 Amendment

The Committee had no objections to the claims. The committee put forth a recommendation for the BPW to approve the Service Agreement amendment.

An email and documents from the Drain Commissioner regarding water affordability are attached for review.

GOALS and OBJECTIVES

Staff will continue to monitor these items and include additional as the need arises. Staff has added ordinance and rate reviews as priority tasks. Also, management reviews is included as a priority.

Staff submitted position description information to the County for use in its position/wage study currently being conducted. Staff will keep the board updated.

I "Top 10" List		Status
1 SCADA Upgrades (Shop)	X	Complete
2 DPW Job Classifications		Ongoing
3 "Green Book"		at Twp Level, see Item 6
4 Asset Management		
System Mapping		
Phase I	X	Complete
Phase II	X	Complete
Phase III		Ongoing
CGAP Award	X	Complete; awaiting payment
CMNIS		
Valve & Hydrant Maintenance Programs	X	Complete
Meter Replacements		90-95% Complete
SCADA Inventory & GPP		90-95% Complete
Standby Power Assessment		Ongoing; 3 onsite pens
5 Cross Connection Control Program		
Compliance with DEQ Regs	X	Complete
DPW FINANCE	X	Complete
TWP	X	Complete
Enhance DPW participation	X	Ongoing
6 Review and Update Water/Sewer Ordinance(s)		Ongoing
RFP for Legal Services dated 12/13/18	X	Complete
Proposals due March 8, 2019	X	Complete
7 Annual Rate Review/Updates by Resolution	X	RFP 12/5 UTS
8 Management Reviews	X	Completed for Director
II Master Sewer Agreement (MSA)		Status
1 Capacity Lease - Expired 12/31/2014	X	Complete
2 Capacity Sharing Agreement	X	Complete
3 Amend MSA	X	Complete - 2014
III WWTP - Membrane Replacement		Status
1 2014 Membrane Project	X	Complete
2 2015 Project - 3 Membranes	X	Complete
3 2016 Project - 1 Membrane	X	Complete
4 2017 Project - 1 Membrane	X	Complete
5 2018 Project - 1 Membrane	X	Complete
6 2019 Project - 1 Membrane	X	Complete
7 2020 Project - 1 Membrane	X	Complete
8 Capital v. Maintenance	X	December 3, 2016
9 Back-end Academic Consultation		3rd Report Published
IV Water Supply Contracts		Status
1 Meter Meter Identification & Testing	X	Annual - Complete \$115
2 Discussions w/City Re: Dual Meters	X	Complete
3 Rate Discussions	X	Pending
4 Amend WSC		Pending
V Septage Treatment Facility (STF)		Status
1 Communications	X	Issues resolved, ongoing
2 Customer Service	X	Issues resolved, ongoing
3 Card Reader Malfunction(s)	X	Complete
4 Status of Hoch Read Property	X	Complete
5 Business Plan Review	X	Complete
6 RFP for Operators	X	Complete
7 STF Improvements	X	Complete
Tank Inspections/Cleanings	X	Complete
Odor Control	X	Complete
SCADA	X	Complete
Card Reader Box; Door Opener	X	Complete
5-Year Capital Improvement Plan	X	see Project List
Grit Debris Removal		Study Completed

5. Board

- a. Acme Township: Doug White was present and provided an update on Acme Township; he reported that everything is quiet.
- b. East Bay Township: Beth Friend was present and provided an update on East Bay Township; She reported that everything is quiet.
- c. Elmwood Township: Jeff Shaw was present and provided an update on Elmwood Township; he reported that everything is quiet.
- d. Garfield Township: Chuck Korn was present and provided an update on Garfield Township; he reported that everything is quiet and cold.
- e. Peninsula Township: Rob Manigold was not present.
- f. Rural Township(s): Rob Lajko was present and provided an update on Rural Township activities. He noted that the township will have a meeting February 2nd at 6:00 p.m. to discuss how funds coming into the township should be used.
- g. Traverse City Commission: Marty Colburn was present and provided an update on the city activities. He reported that the City Commissioners will be meeting to establish goals and objectives. High on the list is storm water, wastewater, and clean drinking water issues. In addition, housing is high on the list. They are working on the steps and dates to meet for the State Revolving Loan Fund monies. He plans to hold additional tours to familiarize Board, Commission, and public members with specifically the Wastewater Treatment Plant as it is the most in need of investment. There were some temporary improvements made to the ultraviolet system after the DEQ issued a consent order. However, within five years additional upgrades will be required.

Art Krueger: City Director of Municipal Utilities reported the City Commission will hold a study session this week regarding the river wall design before the issue goes in front of the Commission for approval. This project is between Park and Union. On the Union to Cass section, they want to move the sewer away from the river and are working with the Downtown Development Association as part of Phase 1. Phase 2 will be the design for the 200 block. They need to strengthen the wall for stab ability of the sewer main and the integrity of the alley as well. The estimate is 2.8 million and the 24" section of sewer is shared with Elmwood, Garfield, and Peninsula townships based on the Master Sewer Agreement.

- h. County Board of Commissioners: Darryl Nelson was not present.
- i. County Drain Commissioner: Andy Smits addressed the board regarding ongoing drain concerns. He reported that he is busy with the Annual Report that is required but has not been done in eight years. There is potential for a private drain district between the City and Peninsula Township.

CONSENT CALENDAR

The purpose of the Consent Calendar is to expedite business by grouping non-controversial items together to be dealt with by one

Board motion without discussion. Any member of the Board, staff or the public may ask that any item on the Consent Calendar be removed and placed elsewhere on the agenda for full discussion. Such requests will be automatically respected. *If any item is not removed from the consent calendar, the following items are approved by a single Board action adopting the consent calendar with a MAJORITY ROLL CALL VOTE.*

APPROVAL OF MEETING MINUTES: December 9, 2021

ITEMS Approved by Staff

1. DPW Budget Status & Budget Amendments
2. Jacobs Monthly Operations (\$38,997.33)
3. Correspondence: MMRMA

ITEMS TO BE PAID After Approval by Board

4. Wade Trim (\$494.14)
5. City of Traverse City October 2021 Sewer Charges (\$98,145.99)
6. City of Traverse City October 2021 – Garfield (\$75,337.49)
7. City of Traverse City October 2021 – Elmwood (\$2,353.67)
8. City of Traverse City October 2021 – Peninsula (\$6,256.06)
9. Olson, Bzdok, & Howard (\$43.50)

ACTION REQUESTED-A Motion to approve the Consent Calendar with a Roll Call Vote

MOTION by BOB FUDGE to approve the consent calendar as presented; second by Doug White.

ROLL CALL VOTE:

- (8) YES: Beth Friend, Bob Fudge, Doug White, Andy Smits, Rob Lajko, Marty Colburn, Chuck Korn, and Jeff Shaw.
(0) NO: N/A
(2) Absent: Rob Manigold and Darryl Nelson

The Motion PASSED unanimously (8-0).

UNFINISHED BUSINESS

None.

NEW BUSINESS

1. STF Service Agreement 2022 Amendment

MOTION by CHUCK KORN to approve the STF Service Agreement 2022 Amendment; second by Beth Friend.

ROLL CALL VOTE:

- (8) YES: Marty Colburn, Andy Smits, Bob Fudge, Rob Lajko, Chuck Korn, Doug White, Beth Friend, and Jeff Shaw.
(0) NO: N/A
(2) Absent: Rob Manigold and Darryl Nelson

The Motion PASSED unanimously (8-0).

2. STF OOS Agreement: PFAS Phase 2

PFAS was found in the waste at the Septage Treatment Plant, so EGLE required an investigation. Phase 1 has been completed and we need to move to Phase 2 to find the source(s). Jacobs identified 14 potential sites for further investigation. Each sample costs \$500 to test.

MOTION by BETH FRIEND to approve the Septage Treatment Facility Out of Scope Agreement for PFAS Phase2; second by Doug White.

ROLL CALL VOTE:

- (8) YES: Beth Friend, Bob Fudge, Doug White, Andy Smits, Rob Lajko, Marty Colburn, Chuck Korn, and Jeff Shaw.
(0) NO: N/A
(2) Absent: Rob Manigold and Darryl Nelson

The Motion PASSED unanimously (8-0).

3. MDOT Annual Permit – Resolution

MOTION by BETH FRIEND to approve the MDOT Annual Permit Resolution; second by Chuck Korn.

ROLL CALL VOTE:

- (8) YES: Beth Friend, Rob Lajko, Andy Smits, Marty Colburn, Doug White, Bob Fudge, Chuck Korn, and Jeff Shaw.
(0) NO: N/A
(2) Absent: Rob Manigold and Darryl Nelson

The Motion PASSED unanimously (8-0).

4. Appointments to Committees

a. Finance (3 Officers +2)

The Board discussed the make up of the Finance Committee; per the rules, the Officers and two other members are appointed to the Finance Committee. John stated that historically, the committee has comprised of the five participating townships. In this case, Lajko was elected Secretary and does not represent one of the five. Lajko volunteered to allow another board member to serve in his place.

MOTION by JEFF SHAW to appoint the representatives of Acme, East Bay, Elmwood, Garfield, and Peninsula Township(s) to the Finance Committee; second by Chuck Korn.

The Motion PASSED unanimously.

b. Personnel (Chair +2)

The Chair appointed Bob Fudge and Chuck Korn.

c. Appeals (3 Members; Chair is alternate)

The Chair appointed Beth Friend, Rob Lajko, and Chuck Korn.

PUBLIC COMMENT

None.

NOTICES

1. The next regular BPW Finance Committee Meeting will be held on Wednesday, February 2, 2022, at 1:00 p.m. in the Large Conference Room in the Public Services Building at 2650 LaFranier Rd.
2. The next regular meeting of the Board of Public Works will be held on Thursday, February 10, 2022, at 9:00 a.m. in the Meeting room at GARFIELD TOWNSHIP HALL, 3848 Veterans Drive.

The Chair adjourned the meeting at 10:02 a.m.

Date: _____

BPW Chair

Secretary (Approved as to form and content)

Drafted by: _____
John Divozzo

	Budget			
	Amendment			
	Amounts			
2022 BUDGET AMENDMENTS				
PURCHASE ORDER #9560				
SHORELINE POWER SERVICES				
Generator-July 2020 purchase order	\$23,961.90	Remaining Balance	690 445	977.00 EAST BAY SEWER
				INCREASE DUE FROM TOWNSHIPS
PURCHASE ORDER #9590	\$52,424.34	Full Amount	690 444	978.00 ACME SEWER
LAFONTAINE CHRYSLER DODGE JEEP RAM			690 445	978.00 EAST BAY SEWER
2022 Ram 3500 not yet received.			690 446	978.00 GARFIELD SEWER
			690 448	978.00 GARFIELD WATER
			690 449	978.00 ELMWOOD SEWER
			690 451	978.00 PENINSULA SEWER
			690 452	978.00 EAST BAY WATER
			690 458	978.00 PENINSULA WATER
			690 459	978.00 ELMWOOD TIMBERLEE WATER
			690 460	978.00 ACME WATER-HOPE VILLAGE
			690 462	978.00 ELMWOOD GREILICKVILLE WATER
				INCREASE DUE FROM TOWNSHIPS
PURCHASE ORDER #9607				\$52,424.34
STS OPERATING, INC.				
Sulzer Parts	\$36,916.36	Remaining Balance	590 470	819.34 Septage Treatment Plant
PURCHASE ORDER #9460				
UTILITY FINANCIAL SOLUTIONS	\$74,225.28	Remaining Balance		
Water & Sewer Analysis per Proposal				
			690 444	818.00 ACME SEWER
			690 445	818.00 EAST BAY SEWER
			690 446	818.00 GARFIELD SEWER
			690 448	818.00 GARFIELD WATER
			690 449	818.00 ELMWOOD SEWER
			690 451	818.00 PENINSULA SEWER
			690 452	818.00 EAST BAY WATER
			690 458	818.00 PENINSULA WATER
			690 459	818.00 ELMWOOD TIMBERLEE WATER
			690 462	818.00 ELMWOOD GREILICKVILLE WATER
				INCREASE DUE FROM TOWNSHIPS
KERR PUMP AND SUPPLY	\$8,657.00	Per Quote	690 451	752.01 PENINSULA SEWER
Pump				INCREASE DUE FROM TOWNSHIPS
Peninsula Sewer #3 Lift Station				
It didn't come in 2021				
DPW	\$159,268.52			
STF	\$36,916.36			
	\$196,184.88			



GRAND TRAVERSE COUNTY
Budget Amendment Request

Department:	DPW
Submitted by:	John Divozzo, Director
Budget Number:	#

Budget Adjustment Option:

- | | |
|--|---|
| <input type="checkbox"/> A | Increase an expenditure and decrease an expenditure |
| <input checked="" type="checkbox"/> B* | Increase an expenditure and increase a revenue |
| <input type="checkbox"/> C* | Decrease an expenditure and decrease a revenue |
| <input type="checkbox"/> D | Decrease a revenue and increase a revenue |

Directions: Check appropriate option. Only one option per form. Only one fund number per form.

Please use whole dollar amounts only.

*Requires board approval

<input checked="" type="checkbox"/> Increase	<input type="checkbox"/> Decrease	Account Number	Department Name	Line Item name	Amount
		690 444 818.00	ACME SEWER	CONTRACT SERVICES	\$7,695.00
		690 444 978.00	ACME SEWER	VEHICLE	\$3,931.81
		690 445 818.00	EAST BAY SEWER	CONTRACT SERVICES	\$2,077.64
		690 445 977.00	EAST BAY SEWER	MACHINERY & EQUIP. - GENERATOR	\$23,961.90
		690 445 978.00	EAST BAY SEWER	VEHICLE	\$4,718.19
		690 446 818.00	GARFIELD SEWER	CONTRACT SERVICES	\$13,670.00
		690 446 978.00	GARFIELD SEWER	VEHICLE	\$12,057.60
		690 448 818.00	GARFIELD WATER	CONTRACT SERVICES	\$13,670.00
		690 448 978.00	GARFIELD WATER	VEHICLE	\$14,731.24
		690 449 818.00	ELMWOOD SEWER	CONTRACT SERVICES	\$13,670.00
		690 449 978.00	ELMWOOD SEWER	VEHICLE	\$2,574.04
		690 451 752.01	PENINSULA SEWER	SEWER SYSTEM MATERIALS	\$8,657.00
		690 451 978.00	PENINSULA SEWER	VEHICLE	\$1,310.61
		690 452 818.00	EAST BAY WATER	CONTRACT SERVICES	\$2,077.64
		690 452 978.00	EAST BAY WATER	VEHICLE	\$8,912.14
		690 458 978.00	PENINSULA WATER	VEHICLE	\$1,939.70
		690 459 818.00	ELMWOOD TIMBERLEE WATER	CONTRACT SERVICES	\$7,695.00
		690 459 978.00	ELMWOOD TIMBERLEE WATER	VEHICLE	\$1,310.61
		690 460 978.00	ACME HOPE VILLAGE	VEHICLE	\$209.70
		690 462 818.00	ELMWOOD GREILICKVILLE WATER	CONTRACT SERVICES	\$13,670.00
		690 462 978.00	ELMWOOD GREILICKVILLE WATER	VEHICLE	\$728.70
					\$159,268.52

<input checked="" type="checkbox"/> Increase	<input type="checkbox"/> Decrease	Account Number	Department Name	Line item name	Amount
		690 444 582.00	ACME SEWER	LOCAL GRANTS (AKA: DUE FROM TOWNSHIPS)	\$11,626.81
		690 445 582.00	EAST BAY SEWER	LOCAL GRANTS (AKA: DUE FROM TOWNSHIPS)	\$30,757.73
		690 446 582.00	GARFIELD SEWER	LOCAL GRANTS (AKA: DUE FROM TOWNSHIPS)	\$25,727.60
		690 448 582.00	GARFIELD WATER	LOCAL GRANTS (AKA: DUE FROM TOWNSHIPS)	\$28,401.24
		690 449 582.00	ELMWOOD SEWER	LOCAL GRANTS (AKA: DUE FROM TOWNSHIPS)	\$16,244.04
		690 451 582.00	PENINSULA SEWER	LOCAL GRANTS (AKA: DUE FROM TOWNSHIPS)	\$9,967.61
		690 452 582.00	EAST BAY WATER	LOCAL GRANTS (AKA: DUE FROM TOWNSHIPS)	\$10,989.78
		690 458 582.00	PENINSULA WATER	LOCAL GRANTS (AKA: DUE FROM TOWNSHIPS)	\$1,939.70
		690 459 582.00	ELMWOOD TIMBERLEE WATER	LOCAL GRANTS (AKA: DUE FROM TOWNSHIPS)	\$9,005.61
		690 460 582.00	ACME HOPE VILLAGE	LOCAL GRANTS (AKA: DUE FROM TOWNSHIPS)	\$209.70
		690 462 582.00	ELMWOOD GREILICKVILLE WATER	LOCAL GRANTS (AKA: DUE FROM TOWNSHIPS)	\$14,398.70
					\$159,268.52
					\$0.00

Summary:

Please see the attachment.

APPROVED AT BPW THURSDAY, _____

Signature:	Date: February 10, 2022
Accountant Approval:	Date:
Finance Director Approval:	Date:
Board of Commissioner Meeting Approval	Date:



**GRAND TRAVERSE COUNTY
Budget Amendment Request**

Department:	DPW		
Submitted by:	John Divozzo, Director		
Budget Number:	#		
Budget Adjustment Option:			
<input type="checkbox"/> A Increase an expenditure and decrease an expenditure			
<input checked="" type="checkbox"/> B* Increase an expenditure and increase a revenue			
<input type="checkbox"/> C* Decrease an expenditure and decrease a revenue			
<input type="checkbox"/> D Decrease a revenue and increase a revenue			
Directions: Check appropriate option. Only one option per form. Only one fund number per form. Please use whole dollar amounts only.			
*Requires board approval			
<input checked="" type="checkbox"/> Increase		<input type="checkbox"/> Decrease	
Account Number	Department Name	Line item name	Amount
590 443 819.34	SEPTAGE TREATMENT FACILITY	OUT OF SCOPE SERVICES	\$36,916.36
<input checked="" type="checkbox"/> Increase		<input type="checkbox"/> Decrease	
Account Number	Department Name	Line item name	Amount
590 443 401.00	SEPTAGE TREATMENT FACILITY	FUND BALANCE	\$36,916.36
\$0.00			
Summary:			
Please see the attachment.			
APPROVED AT BPW THURSDAY,			
Signature: _____ Date: February 10, 2022			
Accountant Approval: _____ Date: _____			
Finance Director Approval: _____ Date: _____			
Board of Commissioner Meeting Approval Date: _____			

2022

GRAND TRAVERSE COUNTY
REVENUE STATUS REPORT AS OF 01/31/2022

PAGE 1

590 SEPTAGE TREATMENT FACILITY

000 NON - DEPARTMENTAL

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	* * R E V E N U E S * *	UNREALIZED REVENUE	% EXPENDED / REALIZED
					THIS MONTH	THIS YEAR	
463.00	SEPTIC PERMITS	40000.00	.00	40000.00	2450.00	2450.00	6.13
665.00	INTEREST EARNED	.00	.00	.00	.00	.00	N/A
699.00	TRANSFER IN	.00	.00	.00	.00	.00	N/A
	TOTALS	40000.00	.00	40000.00	2450.00	2450.00	
	CURRENT ACCUMULATIVE PERFORMANCE					37550.00	
	PERCENT OF REVENUE RECEIVED						
		73 %					
		6 %					

470 SEPTAGE OPERATIONS

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	* * R E V E N U E * *	UNREALIZED REVENUE	% EXPENDED / REALIZED
				THIS MONTH	THIS YEAR	
401.00 FUND BALANCE FORWARD	348684.00	.00	348684.00	.00	.00	.00
401.05 ENDING FUND BALANCE	.00	.00	.00	.00	.00	N/A
454.00 PENALTY FEES	.00	.00	.00	.00	.00	.00
463.00 SEPTIC PERMITS	.00	.00	.00	.00	.00	N/A
506.00 FEDERAL GRANT	.00	.00	.00	.00	.00	N/A
582.00 LOCAL GRANTS	.00	.00	.00	.00	.00	N/A
607.41 SEPTAGE TANKS	984000.00	.00	984000.00	.00	.00	N/A
607.42 HOLDING TANKS	129000.00	.00	129000.00	5349.61	978650.39	.54
607.43 GREASE TRAPS	103000.00	.00	103000.00	1931.50	127068.50	1.50
607.44 OTHER FEES	.00	.00	.00	1694.10	101305.90	1.64
607.46 SPECIAL WASTE	.00	.00	.00	.00	.00	N/A
675.00 CONTRIBUTIONS-PRIVATE SOURCE	.00	.00	.00	.00	.00	N/A
686.00 REIMBURSEMENTS	.00	.00	.00	.00	.00	N/A
699.00 TRANSFER IN	.00	.00	.00	4.62	4.62	N/A
TOTALS	1564684.00	.00	1564684.00	8979.83	8979.83	
					1555704.17	
	CURRENT ACCUMULATIVE PERFORMANCE			6 %		
	PERCENT OF REVENUE RECEIVED					

590 SEPTAGE TREATMENT FACILITY
000 NON - DEPARTMENTAL

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

PAGE 1

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	EXPENDITURE THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
991.00 PRINCIPAL & FEES	.00	.00	.00	.00	.00	.00	.00	N/A
995.00 INTEREST & FEES	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	.00	.00	.00	.00	.00	.00	.00	N/A
TOTALS	.00	.00	.00	.00	.00	.00	.00	
	CURRENT ACCUMULATIVE PERFORMANCE		%		PERCENT OF BUDGET EXPENDED			

590 SEPTAGE TREATMENT FACILITY
470 SEPTAGE OPERATIONS

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

PAGE 2

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	CURRENT ENCUMBRANCES THIS YEAR	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	4043.00	.00	4043.00	315.45	315.45	3727.55	7.80
701.01 PER DIEM	100.00	.00	100.00	3.72	3.72	96.28	3.72
702.00 FULL TIME & REGULAR PART TIME	36807.00	.00	36807.00	1310.86	1310.86	0.00	35496.14
702.01 LONGEVITY	420.00	.00	420.00	.00	.00	420.00	3.56
703.00 PART TIME TEMPORARY	1715.00	.00	1715.00	.00	.00	1715.00	0.00
704.00 OVERTIME	625.00	.00	625.00	110.88	110.88	0.00	515.12
705.00 PERSONAL LEAVE	1259.00	.00	1259.00	.00	.00	1259.00	17.74
706.00 FICA	3477.00	.00	3477.00	122.97	122.97	0.00	3355.03
716.00 HEALTH, OPTICAL & DENTAL	6719.00	.00	6719.00	564.65	564.65	0.00	6154.35
716.02 SHORT & L-T DISABILITY	383.00	.00	383.00	28.25	28.25	0.00	3547.75
716.03 PAYMENT IN LIEU OF INSURANCE	477.00	.00	477.00	.00	.00	477.00	8.40
717.00 LIFE INSURANCE	1.60	.00	1.60	8.94	8.94	0.00	7.38
718.00 RETIREMENT	81.00	.00	81.00	3.12	3.12	0.00	7.71
718.01 RETIREMENT DC	2699.00	.00	2699.00	85.77	85.77	0.00	2673.23
718.15 RETIREMENT - DB UAL	11387.00	.00	11387.00	476.25	476.25	0.00	10910.75
719.00 WORKER'S COMP INS	.00	.00	.00	.00	.00	0.00	0.00
720.00 UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	0.00	N/A
PERSONNEL	70308.00	.00	70308.00	3030.86	3030.86	0.00	67277.14
727.00 OFFICE SUPPLIES	724.00	.00	724.00	8.63	8.63	0.00	715.37
729.01 PRINTING AND BINDING	1224.00	.00	1224.00	.00	.00	1224.00	1.19
729.02 PUBLIC RELATIONS & EDUCATION	0.00	.00	0.00	.00	.00	0.00	N/A
730.00 COPY MACHINE USE	96.00	.00	96.00	.00	.00	0.00	96.00
730.00 POSTAGE	132.00	.00	132.00	.00	.00	0.00	132.00
742.00 SAFETY EQUIPMENT	866.00	.00	866.00	.00	.00	0.00	866.00
745.00 UNIFORMS & ACCESSORIES	496.00	.00	496.00	16.86	16.86	0.00	479.14
745.02 CLOTHING ALLOWANCE	27.00	.00	27.00	0.00	.00	0.00	27.00
747.00 SMALL TOOLS & SUPPLIES	584.00	.00	584.00	13.86	13.86	0.00	570.14
748.00 GAS, OIL & GREASE	1432.00	.00	1432.00	0.00	.00	0.00	1432.00
775.00 JANITORIAL SUPPLIES	40.00	.00	40.00	.00	.00	0.00	40.00
COMMODITIES	5621.00	.00	5621.00	39.35	39.35	0.00	5581.65
808.00 ATTORNEY FEES	1561.00	.00	1561.00	.00	.00	1561.00	.70
810.01 SUBSCRIPTIONS	28.00	.00	2528.00	.00	.00	28.00	0.00
812.00 IT CHARGES	2570.00	.00	2570.00	2123.44	2123.44	0.00	82.62
812.01 INTERNET ACCESS	1856.00	.00	1856.00	143.89	143.89	0.00	1712.11
812.02 CONTRACT SERVICES	1397.00	.00	1397.00	110.55	110.55	0.00	1286.45
818.32 SFP REPAIRS & MAINTENANCE	1160.00	.00	1160.00	74.20	74.20	0.00	1085.80
818.33 RECONCILIATION	45000.00	.00	45000.00	.00	.00	45000.00	0.00
818.38 ONT CONTRACT	225000.00	.00	225000.00	.00	.00	0.00	225000.00
818.39 SLUDGE DISPOSAL FEES	80000.00	.00	80000.00	80000.00	80000.00	0.00	80000.00
818.40 BANK FEES & FINANCE CHARGES	1000.00	.00	1000.00	.00	.00	0.00	1000.00
818.44 HOCH ROAD CAPACITY LEASE	.00	.00	.00	.00	.00	0.00	N/A
818.86 334 HOCH RD PRINCIPAL PMT	1000.00	.00	1000.00	.00	.00	1000.00	N/A
818.87 334 HOCH RD INTEREST/FERS	36.00	.00	36.00	.00	.00	0.00	0.00
819.34 OUT OF SCOPE SERVICES	457440.00	.00	457440.00	.00	.00	457440.00	0.00
819.35 590 SEPTAGE RMB PRINCIPAL	230000.00	.00	230000.00	.00	.00	0.00	230000.00
819.36 590A SEPTAGE RMB INTEREST/FE	70000.00	.00	70000.00	.00	.00	0.00	70000.00
819.37 334 WWTP PRINCIPAL	10000.00	.00	10000.00	.00	.00	0.00	10000.00
819.38 334 WWTP INTEREST & FEES	600.00	.00	600.00	.00	.00	0.00	600.00
850.00 TELEPHONE, MOBILE	2099.00	.00	2099.00	109.82	109.82	0.00	1890.18
852.00 TELEMETER EXP - GENERAL	1352.00	.00	1352.00	20.73	20.73	0.00	1331.27
853.00 MISS DIG SERVICES	.00	.00	.00	.00	.00	0.00	N/A
860.00 TRAVEL	280.00	.00	280.00	.00	.00	0.00	280.00
860.01 CONVENTIONS & CONFERENCES	206.00	.00	206.00	.00	.00	0.00	206.00
CONTRACTUAL SERVICES	1133085.00	.00	1133085.00	2582.63	2582.63	0.00	1130502.37
909.00 ADVERTISING	227.00	.00	227.00	.00	.00	0.00	.23
911.00 INSURANCE PAYMENTS	3181.00	.00	3181.00	2970.96	2970.96	0.00	227.00
920.00 UTILITIES - HEAT	3293.00	.00	3293.00	.00	.00	210.04	0.00
921.00 UTILITIES - ELECTRIC	127336.00	.00	127336.00	.00	.00	323.00	93.40
						0.00	127336.00

470 SEPTAGE OPERATIONS

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDED THIS MONTH	EXPENDED THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
923.00 UTILITIES - WATER & SEWER	5069.00	.00	5069.00	.00	.00	.00	5069.00	.00
924.00 UTILITIES - WASTE COLLECTION	92.00	.00	92.00	8.50	8.50	.00	83.50	9.24
924.01 CLEANING OF ROCK TRAP/GRIT	19500.00	.00	19500.00	.00	.00	.00	19500.00	.00
924.02 CLEANING OF INFLUENT EQUIL.	40000.00	.00	40000.00	.00	.00	.00	40000.00	.00
924.03 CLEANING OF POST EQ	20000.00	.00	20000.00	.00	.00	.00	20000.00	.00
924.04 DEWATERING HOPPERS	2350.00	.00	2350.00	.00	.00	.00	2350.00	.00
924.11 BIO-FILTER MEDIA,ODOR CONTROL	0.00	.00	0.00	.00	.00	.00	0.00	N/A
924.12 CLEANING OF MBR TANKS	0.00	.00	0.00	.00	.00	.00	0.00	N/A
924.13 ATAD	0.00	.00	0.00	.00	.00	.00	0.00	N/A
924.14 SNDR	0.00	.00	0.00	.00	.00	.00	0.00	N/A
925.94 WWTP CIP PROJECTS	0.00	.00	0.00	.00	.00	.00	0.00	N/A
925.96 WWTP MEMBRANE INSTALLATION	303.00	.00	303.00	.00	.00	.00	0.00	N/A
925.97 WWTP MEMBRANE REPLACEMENT	4032.00	.00	4032.00	.00	.00	.00	3032.00	0.00
925.98 CAPACITY LEASE	0.00	.00	0.00	.00	.00	.00	4032.00	0.00
925.99 SEWER SYSTEM DISPOSAL EXP	15800.00	.00	15800.00	.00	.00	.00	15800.00	N/A
930.00 BLDG REPAIR & MAINT	771.00	.00	771.00	.00	.00	.00	771.00	N/A
932.00 EQUIP REPAIR & MAINT	516.00	.00	516.00	.00	.00	.00	516.00	0.00
934.00 VEHICLE REPAIR & MAINT	531.00	.00	531.00	5.11	5.11	.00	525.89	N/A
941.01 SYSTEM SOFTWARE	0.00	.00	0.00	5301.00	5301.00	.00	5301.00	0.00
942.01 COUNTY INDIRECT COSTS-G.T.	5301.00	.00	5301.00	0.00	.00	.00	5301.00	0.00
943.00 OFFICE SPACE RENTAL	2041.00	.00	2041.00	0.00	.00	.00	2041.00	0.00
949.00 ENGINEERING	2061.00	.00	2061.00	0.00	.00	.00	2061.00	0.00
956.00 EMPLOYEE TRAINING & DEVELOP.	266.00	.00	266.00	4.77	4.77	.00	266.00	0.00
963.81 PRIOR YEAR DEFICIT FUND FOR SUBSEQUENT YEARS	.00	.00	.00	.00	.00	.00	261.23	1.79
968.00 DEPRECIATION EXPENSE	.00	.00	.00	.00	.00	.00	0.00	N/A
968.01 DEPRECIATION - BUILDINGS	.00	.00	.00	.00	.00	.00	0.00	N/A
968.02 DEPRECIATION - EQUIPMENT	.00	.00	.00	.00	.00	.00	0.00	N/A
OTHER CHARGES	252670.00	.00	252670.00	2989.34	2989.34	.00	249680.66	1.18
975.00 BUILDINGS	.00	.00	.00	.00	.00	.00	.00	N/A
976.01 IMPROVEMENTS	.00	.00	.00	.00	.00	.00	.00	N/A
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
977.07 TELEMETRY EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00 VEHICLE	.00	.00	.00	.00	.00	.00	.00	N/A
CAPITAL OUTLAYS	.00	.00	.00	.00	.00	.00	.00	N/A
991.00 PRINCIPAL	75000.00	.00	75000.00	.00	.00	.00	.00	N/A
992.00 CONTINGENCY	20000.00	.00	20000.00	.00	.00	.00	75000.00	0.00
992.50 PERSONNEL-CONTINGENCY	0.00	.00	0.00	.00	.00	.00	20000.00	0.00
995.00 INTEREST & FEES	20000.00	.00	20000.00	.00	.00	.00	20000.00	N/A
997.00 REFUNDS	28000.00	.00	28000.00	.00	.00	.00	20000.00	0.00
DEBT SERVICE	143000.00	.00	143000.00	.00	.00	.00	28000.00	.00
TOTALS	1604684.00	.00	1604684.00	8642.18	8642.18	.00	1596041.82	6 %

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	76.00	.00	76.00	5.96	5.96	.00	70.04 7.84
701.01 PER DIEM	72.00	.00	72.00	1.94	1.94	.00	69.06 3.00
702.00 FULL TIME & REGULAR PART TIME	694.00	.00	694.00	24.94	24.94	.00	669.06 3.59
702.01 LONGEVITY	8.00	.00	8.00	.00	.00	.00	8.00 .00
703.00 PART TIME TEMPORARY	33.00	.00	33.00	.00	.00	.00	33.00 .00
704.00 OVERTIME	10.00	.00	10.00	2.00	2.00	.00	8.00 20.00
705.00 PERSONAL LEAVE	24.00	.00	24.00	.00	.00	.00	24.00 .00
715.00 FICA	65.00	.00	65.00	2.37	2.37	.00	62.63 3.65
716.00 HEALTH, OPTICAL & DENTAL	127.00	.00	127.00	10.79	10.79	.00	116.21 8.50
716.02 SHORT & LT-T DISABILITY PAYMENT IN LIEU OF INSURANCE	7.00	.00	7.00	.54	.54	.00	6.46 7.71
717.00 LIFE INSURANCE	9.00	.00	9.00	.00	.00	.00	9.00 8.00
718.00 RETIREMENT DC	2.00	.00	2.00	.16	.16	.00	1.84 8.00
718.01 RETIREMENT - DB UAL	100.00	.00	100.00	.07	.07	.00	98.93 3.50
719.00 WORKER'S COMP INS	215.00	.00	215.00	1.63	1.63	.00	98.37 3.63
720.00 UNEMPLOYMENT COMPENSATION	.00	.00	.00	9.10	9.10	.00	205.90 4.23
PERSONNEL	1374.00	.00	1374.00	57.62	57.62	.00	N/A .00
727.00 OFFICE SUPPLIES	14.00	.00	14.00	.16	.16	.00	13.84 1.14
729.02 PRINTING AND BINDING	1.00	.00	1.00	.00	.00	.00	1.00 .00
729.03 COPY MACHINE USE	2.00	.00	2.00	.00	.00	.00	2.00 .00
730.00 POSTAGE	2.00	.00	2.00	.00	.00	.00	2.00 .00
742.00 SAFETY EQUIPMENT	5.00	.00	5.00	.00	.00	.00	5.00 .00
745.00 UNIFORMS & ACCESSORIES	10.00	.00	10.00	.33	.33	.00	9.67 3.30
745.12 CLOTHING ALLOWANCE	1.00	.00	1.00	.00	.00	.00	1.00 1.00
747.00 SMALL TOOLS & SUPPLIES	11.00	.00	11.00	.27	.27	.00	10.73 2.45
748.00 GAS, OIL & GREASE	27.00	.00	27.00	.00	.00	.00	27.00 .00
775.00 JANITORIAL SUPPLIES	1.00	.00	1.00	.00	.00	.00	1.00 .00
COMMODITIES	74.00	.00	74.00	.76	.76	.00	73.24 1.03
808.00 ATTORNEY FEES	20.00	.00	20.00	.00	.00	.00	20.00 .00
810.00 SUBSCRIPTIONS	1.00	.00	1.00	.00	.00	.00	1.00 .00
810.01 DUES	2.00	.00	2.00	.00	.00	.00	2.00 .00
812.00 IT CHARGES	35.00	.00	35.00	2.72	2.72	.00	32.28 7.77
812.01 INTERNET ACCESS	2.00	.00	2.00	.10	.10	.00	1.90 5.00
818.00 CONTRACT SERVICES	3.00	.00	3.00	1.40	1.40	.00	1.60 4.67
850.00 TELEPHONE, MOBILE	12.00	.00	12.00	.37	.37	.00	11.63 3.08
850.59 TELEPHONE, MOBILE	26.00	.00	26.00	.39	.39	.00	25.61 1.50
852.00 TELEMETR EXP - GENERAL	0.00	.00	0.00	.00	.00	.00	0.00 N/A
853.00 MISS DIG SERVICES	0.00	.00	0.00	.00	.00	.00	0.00 N/A
860.00 TRAVEL	2.00	.00	2.00	.00	.00	.00	2.00 1.00
860.01 CONVENTIONS & CONFERENCES	1.00	.00	1.00	.00	.00	.00	1.00 .00
CONTRACTUAL SERVICES	104.00	.00	104.00	4.98	4.98	.00	99.02 4.79
909.00 ADVERTISING PAYMENTS	1.00	.00	1.00	.00	.00	.00	1.00 .00
920.00 UTILITIES - HEAT	60.00	.00	60.00	56.06	56.06	.00	3.94 93.43
921.00 UTILITIES - ELECTRIC	2705.00	.00	2705.00	810.49	810.49	.00	1894.51 29.96
923.00 UTILITIES - WATER & SEWER	1295.00	.00	1295.00	.00	.00	.00	1295.00 .00
924.00 UTILITIES - WASTE COLLECTION	2.00	.00	2.00	.00	.00	.00	2.00 .00
930.00 BLDG REPAIR & MAINT	505.00	.00	505.00	.16	.16	.00	505.00 8.00
932.00 EQUIP REPAIR & MAINT	5.00	.00	5.00	.00	.00	.00	5.00 .00
934.00 VEHICLE REPAIR & MAINT	10.00	.00	10.00	.10	.10	.00	9.90 1.00
941.02 SYSTEM SOFTWARE	100.00	.00	100.00	.00	.00	.00	100.00 N/A
942.01 COUNTY INDIRECT COSTS-G.T.	39.00	.00	39.00	.00	.00	.00	39.00 .00
943.00 OFFICE SPACE RENTAL	20.00	.00	20.00	.00	.00	.00	20.00 .00
949.00 ENGINEERING TRAINING & DEVELOP.	5.00	.00	5.00	.09	.09	.00	4.91 1.80
OTHER CHARGES	4749.00	.00	4749.00	866.90	866.90	.00	3882.10 18.25
975.00 BUILDINGS	.00	.00	.00	.00	.00	.00	N/A .00
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	N/A .00

697 HOCH ROAD FACILITY
443 DPW - GENERAL

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDED THIS MONTH	THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
977.07 TELEMETRIC EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00 VEHICLE	.90	.00	.00	.00	.00	.00	.00	N/A
CAPITAL OUTLAYS	.00	.00	.00	.00	.00	.00	.00	N/A
992.00 CONTINGENCY	1021.00	.00	1021.00	.00	.00	.00	1021.00	.00
DEBT SERVICE	1021.00	.00	1021.00	.00	.00	.00	1021.00	.00
TOTALS	7322.00	.00	7322.00	930.26	930.26	.00	6391.74	
	CURRENT ACCUMULATIVE PERFORMANCE	152 %						
	PERCENT OF BUDGET EXPENDED	12 %						

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	72155.00	.00	72155.00	5630.59	0.00	66524.41	7.80
701.01 PER DIEM	1789.00	.00	1789.00	66.22	0.00	1722.78	3.70
702.00 FULL TIME & REGULAR PART TIME	656962.00	.00	656962.00	23401.50	0.00	633560.50	3.56
702.01 LONGEVITY	7497.00	.00	7497.00	.00	.00	7497.00	100
703.00 PART TIME TEMPORARY	30617.00	.00	30617.00	1972.41	1972.41	30617.00	100
704.00 OVERTIME	7000.00	.00	7000.00	22479.00	2194.56	5027.59	28.18
705.00 PERSONAL LEAVE	22479.00	.00	22479.00	0.00	0.00	22479.00	100
715.00 FICA	62390.00	.00	62390.00	119934.00	10080.33	60195.44	3.52
716.00 HEALTH, OPTICAL & DENTAL	119934.00	.00	119934.00	6831.00	504.56	109853.67	6.40
716.03 SHORT & L-T DISABILITY PAYMENT	6831.00	.00	6831.00	8514.00	504.56	6326.44	7.39
716.05 LIFE INSURANCE IN LIEU OF INSURANCE	8514.00	.00	8514.00	2065.00	159.52	1905.48	7.00
718.00 RETIREMENT	2065.00	.00	2065.00	1438.00	55.83	1382.17	7.72
718.01 RETIREMENT - DC	1438.00	.00	1438.00	48168.00	1530.87	46637.13	3.88
718.05 RETIREMENT - DB UAL	48168.00	.00	48168.00	203243.00	8501.01	194741.99	4.18
719.00 WORKER'S COMP INS	203243.00	.00	203243.00	.00	.00	N/A	100
720.00 UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	N/A	100
PERSONNEL	1251082.00	.00	1251082.00	54097.40	54097.40	.00	1196984.60
727.00 OFFICE SUPPLIES	12913.00	.00	12913.00	153.90	153.90	.00	12759.10
729.02 PRINTING AND BINDING	426.00	.00	426.00	.00	.00	426.00	100
729.02 COPY MACHINE USE	1703.00	.00	1703.00	.00	.00	1703.00	100
730.00 POSTAGE	1892.00	.00	1892.00	.00	.00	1892.00	100
742.00 SAFETY EQUIPMENT	4730.00	.00	4730.00	4730.00	.00	4730.00	100
745.00 UNIFORMS & ACCESSORIES	8846.00	.00	8846.00	8846.00	300.93	8545.07	3.40
745.02 CLOTHING ALLOWANCE	473.00	.00	473.00	10406.00	247.13	473.00	2.00
747.00 SMALL TOOLS & SUPPLIES	10406.00	.00	10406.00	25542.00	0.00	25542.00	100
748.00 GAS, OIL & GREASE SUPPLIES	25542.00	.00	25542.00	710.00	.00	710.00	100
JANITORIAL SUPPLIES	710.00	.00	710.00	.00	.00	N/A	100
COMMODITIES	67641.00	.00	67641.00	701.96	701.96	.00	66939.04
808.00 ATTORNEY FEES	17500.00	.00	17500.00	.00	.00	17500.00	100
810.00 SUBSCRIPTIONS	488.00	.00	488.00	.00	.00	488.00	100
810.00 DUES	1244.00	.00	1244.00	.00	.00	1244.00	100
812.00 IT CHARGES	33110.00	.00	33110.00	2568.39	2568.39	30541.61	7.75
812.01 INTERNET ACCESS	1278.00	.00	1278.00	1195.00	1299.31	0.00	1176.69
818.00 CONTRACT SERVICES	1959.00	.00	1959.00	1959.00	1324.40	1324.40	100
850.00 TELEPHONE	10501.00	.00	10501.00	350.94	350.94	10350.06	67.61
850.99 MOBILE	24123.00	.00	24123.00	370.06	370.06	23752.94	3.34
852.00 TELEMETER EXP.	.00	.00	.00	.00	.00	10150.06	1.53
853.00 MISS DIG SERVICES	.00	.00	.00	.00	.00	N/A	100
860.00 TRAVEL	1419.00	.00	1419.00	.00	.00	1419.00	100
860.01 CONVENTIONS & CONFERENCES	100.00	.00	100.00	.00	.00	100.00	100
CONTRACTUAL SERVICES	91722.00	.00	91722.00	4713.10	4713.10	.00	87008.90
909.00 ADVERTISING	473.00	.00	473.00	56760.00	53028.98	0.00	473.00
910.00 INSURANCE PAYMENTS	56760.00	.00	56760.00	4730.00	53028.98	0.00	473.00
920.00 UTILITIES - HEAT	4730.00	.00	4730.00	3800.00	0.00	4730.00	100
921.00 UTILITIES - ELECTRIC	3800.00	.00	3800.00	1230.00	.00	3800.00	100
923.00 UTILITIES - WATER & SEWER	1230.00	.00	1230.00	1637.00	151.63	1230.00	100
924.00 UTILITIES - WASTE COLLECTION	1637.00	.00	1637.00	4730.00	0.00	1485.37	9.26
930.00 BLDG REPAIR & MAINT	4730.00	.00	4730.00	9460.00	91.20	4730.00	100
932.00 EQUIP REPAIR & MAINT	9460.00	.00	9460.00	9460.00	0.00	9368.80	100
934.00 VEHICLE REPAIR & MAINT	9460.00	.00	9460.00	36421.00	.00	94600.00	100
941.02 SYSTEM SOFTWARE	36421.00	.00	36421.00	18920.00	.00	36421.00	100
942.01 COUNTY INDIRECT COSTS-G.T.	18920.00	.00	18920.00	4730.00	85.14	18920.00	100
943.00 OFFICE SPACE RENTAL	4730.00	.00	4730.00	242221.00	53356.95	0.00	188864.05
949.00 ENGINEERING	242221.00	.00	242221.00	.00	.00	22.03	100
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	N/A	100
OTHER CHARGES	242221.00	.00	242221.00	.00	.00	N/A	100
975.00 BUILDINGS	.00	.00	.00	.00	.00	N/A	100
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	N/A	100

690 DEPT OF PUBLIC WORKS
443 DPW - GENERAL

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
977.07 TELEMETERING EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00 VEHICLE	.00	.00	.00	.00	.00	.00	.00	N/A
CAPITAL OUTLAYS	.00	.00	.00	.00	.00	.00	.00	N/A
992.00 CONTINGENCY	19725.00	.00	19725.00	.00	.00	.00	19725.00	.00
DEBT SERVICE	19725.00	.00	19725.00	.00	.00	.00	19725.00	.00
TOTALS	1672391.00	.00	1672391.00	112869.41	112869.41	.00	1559521.59	
	CURRENT ACCUMULATIVE PERFORMANCE	80 %						
	PERCENT OF BUDGET EXPENDED	6 %						

690 DEPT OF PUBLIC WORKS
444 DPW - ACME SEWER

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES THIS YEAR	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	.00	.00	.00	.00	.00	.00	N/A
701.01 PER DIEM	.00	.00	.00	.00	.00	.00	N/A
702.01 FULL TIME & REGULAR PART TIME	.00	.00	.00	.00	.00	.00	N/A
703.00 PART TIME TEMPORARY	.00	.00	.00	.00	.00	.00	N/A
704.00 OVERTIME	5000.00	.00	5000.00	.00	.00	.00	N/A
705.00 PERSONAL LEAVE	383.00	.00	383.00	.00	.00	5000.00	N/A
715.00 FICA	.00	.00	.00	.00	.00	.00	N/A
716.00 HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	N/A
716.02 SHORT & L-T DISABILITY	.00	.00	.00	.00	.00	.00	N/A
716.03 PAYMENT IN LIEU OF INSURANCE	.00	.00	.00	.00	.00	.00	N/A
717.00 LIFE INSURANCE	.00	.00	.00	.00	.00	.00	N/A
718.00 RETIREMENT	.00	.00	.00	.00	.00	.00	N/A
718.05 RETIREMENT DC	.00	.00	.00	.00	.00	.00	N/A
718.05 RETIREMENT - DB UAL	.00	.00	.00	.00	.00	.00	N/A
719.00 WORKER'S COMP INS	.00	.00	.00	.00	.00	.00	N/A
720.00 UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	N/A
725.99 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
PERSONNEL	5383.00	.00	5383.00	.00	.00	.00	N/A
727.00 OFFICE SUPPLIES	352.00	.00	352.00	155.22	155.22	.00	44.10
729.00 PRINTING AND BINDING	456.00	.00	456.00	.00	.00	456.00	N/A
730.00 POSTAGE	3849.00	.00	3849.00	885.00	885.00	.00	22.99
742.00 SAFETY EQUIPMENT	.00	.00	.00	.00	.00	2964.00	N/A
745.00 UNIFORMS & ACCESSORIES	.00	.00	.00	.00	.00	.00	N/A
745.02 CLOTHING ALLOWANCE	.00	.00	.00	.00	.00	.00	N/A
747.00 SMALL TOOLS & SUPPLIES	.00	.00	.00	.00	.00	.00	N/A
748.00 GAS, OIL & GREASE	.00	.00	.00	.00	.00	.00	N/A
752.01 SEWER SYSTEM MATERIALS	300.00	.00	300.00	.00	.00	300.00	N/A
752.50 SEWER SYS. MAINT & SUPPLIES	1000.00	.00	1000.00	.00	.00	1000.00	N/A
775.00 JANITORIAL SUPPLIES	4000.00	.00	4000.00	3.11	3.11	3996.89	N/A
COMMODITIES	18957.00	.00	18957.00	1043.33	1043.33	.00	5.50
808.00 ATTORNEY FEES	.00	.00	.00	.00	.00	17913.67	N/A
810.00 SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	N/A
810.01 DUES	.00	.00	.00	.00	.00	.00	N/A
811.00 SERVICE CONTRACTS	.00	.00	.00	.00	.00	.00	N/A
812.00 IT CHARGES	.00	.00	.00	.00	.00	.00	N/A
812.01 INTERNET ACCESS	.00	.00	.00	.00	.00	.00	N/A
818.00 CONTRACT SERVICES	34664.00	.00	34664.00	80.03	80.03	34593.97	N/A
850.99 TELEPHONE, MOBILE	.00	.00	.00	.00	.00	.00	N/A
852.00 TELEMETRIC EXP - GENERAL	2816.00	.00	2816.00	164.49	164.49	2651.51	N/A
853.00 MISS DIG SERVICES	750.00	.00	750.00	442.83	442.83	307.17	5.94
860.00 TRAVEL	.00	.00	.00	.00	.00	.00	N/A
860.01 CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	N/A
CONTRACTUAL SERVICES	38230.00	.00	38230.00	687.35	687.35	.00	37542.65
ADVERTISING	.00	.00	.00	.00	.00	.00	1.80
911.00 INSURANCE PAYMENTS	.00	.00	.00	.00	.00	.00	N/A
920.00 UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	N/A
921.00 UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	N/A
923.00 UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	N/A
924.00 UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	.00	N/A
924.29 SEWER SYSTEM UTILITY EXP	17955.00	.00	17955.00	.00	.00	.00	N/A
925.94 WWTP CIP PROJECTS	.00	.00	.00	.00	.00	17855.00	N/A
925.96 WWTP MEMBRANE INSTALLATION	4288.00	.00	4288.00	.00	.00	.00	N/A
925.97 WWTP MONBRAINE REPLACEMENT	57171.00	.00	57171.00	.00	.00	4288.00	.00
925.99 SEWER SYSTEM DISPOSAL EXP	272000.00	.00	272000.00	.00	.00	5171.00	.00
930.00 BLDG REPAIR & MAINT	.00	.00	.00	.00	.00	272000.00	.00
932.00 EQUIP REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.01 RADIO REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A

690 DEPT OF PUBLIC WORKS
444 DFW - ACME SEWER

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDED THIS MONTH	THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
934.00 VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	.00	N/A
941.00 EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	.00	N/A
942.02 SYSTEM SOFTWARE	922.00	.00	922.00	522.77	522.77	.00	399.23	56.70
942.01 COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	.00	N/A
943.00 OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
949.00 ENGINEERING	5000.00	.00	5000.00	.00	.00	.00	5000.00	N/A
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	.00	.00	N/A
963.08 SPECIAL PROJECTS	.00	.00	.00	.00	.00	.00	.00	N/A
OTHER CHARGES	357236.00	.00	357236.00	522.77	522.77	.00	356713.23	.15
975.00 BUILDINGS	.00	.00	.00	.00	.00	.00	.00	N/A
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
977.07 TELEMETRY EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00 VEHICLE	.00	.00	.00	.00	.00	.00	.00	N/A
CAPITAL OUTLAYS	.00	.00	.00	.00	.00	.00	.00	N/A
992.00 CONTINGENCY	30000.00	.00	30000.00	.00	.00	.00	30000.00	N/A
992.50 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	30000.00	.00	30000.00	.00	.00	.00	30000.00	.00
TOTALS	449806.00	.00	449806.00	2253.45	2253.45	.00	447552.55	
	CURRENT ACCUMULATIVE PERFORMANCE							
	PERCENT OF BUDGET EXPENDED			6 %				

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDED THIS MONTH	EXPENDED THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	.00	.00	.00	.00	.00	.00	.00	N/A
701.01 PER DIEM	.00	.00	.00	.00	.00	.00	.00	N/A
702.00 FULL TIME & REGULAR PART TIME	.00	.00	.00	.00	.00	.00	.00	N/A
702.01 LONGEVITY	.00	.00	.00	.00	.00	.00	.00	N/A
703.00 PART TIME TEMPORARY	.00	.00	.00	.00	.00	.00	.00	N/A
704.00 OVERTIME	.00	.00	.00	.00	.00	.00	.00	N/A
705.00 PERSONAL LEAVE	3750.00	.00	3750.00	.00	.00	.00	3750.00	N/A
715.00 FICA	387.00	.00	387.00	.00	.00	.00	387.00	N/A
716.00 HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
716.02 SHORT & L-T DISABILITY	.00	.00	.00	.00	.00	.00	.00	N/A
716.03 PAYMENT IN LIEU OF INSURANCE	.00	.00	.00	.00	.00	.00	.00	N/A
717.00 LIFE INSURANCE	.00	.00	.00	.00	.00	.00	.00	N/A
718.00 RETIREMENT	.00	.00	.00	.00	.00	.00	.00	N/A
718.01 RETIREMENT DC	.00	.00	.00	.00	.00	.00	.00	N/A
718.05 RETIREMENT - DB UAL	.00	.00	.00	.00	.00	.00	.00	N/A
719.00 WORKER'S COMP INS	.00	.00	.00	.00	.00	.00	.00	N/A
720.00 UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	.00	N/A
725.99 PERSONNEL - CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
PERSONNEL	4137.00	.00	4137.00	.00	.00	.00	4137.00	.00
727.00 OFFICE SUPPLIES	338.00	.00	338.00	149.37	149.37	.00	188.63	44.19
729.00 PRINTING AND BINDING	448.00	.00	448.00	.00	.00	.00	448.00	N/A
730.00 COPY MACHINE USE	3704.00	.00	3704.00	905.00	905.00	.00	2799.00	24.43
SAFETY EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
742.00 UNIFORMS & ACCESSORIES	.00	.00	.00	.00	.00	.00	.00	N/A
745.02 CLOTHING ALLOWANCE	.00	.00	.00	.00	.00	.00	.00	N/A
747.00 SMALL TOOLS & SUPPLIES	.00	.00	.00	.00	.00	.00	.00	N/A
748.00 GAS, OIL & GREASE	.00	.00	.00	.00	.00	.00	.00	N/A
752.01 SEWER SYSTEM MATERIALS	850.00	.00	850.00	.00	.00	.00	850.00	N/A
752.50 SEWER SYS. MAINT & SUPPLIES	1,000.00	.00	1000.00	.00	.00	.00	1000.00	.00
775.00 JANITORIAL SUPPLIES	6000.00	.00	6000.00	718.83	718.83	.00	5281.17	11.98
COMMODITIES	21340.00	.00	21340.00	1773.20	1773.20	.00	19566.80	8.31
808.00 ATTORNEY FEES	.00	.00	.00	.00	.00	.00	.00	N/A
810.00 SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	.00	N/A
810.01 DUES	.00	.00	.00	.00	.00	.00	.00	N/A
811.00 SERVICE CONTRACTS	.00	.00	.00	.00	.00	.00	.00	N/A
812.00 UTIL CHARGES	.00	.00	.00	.00	.00	.00	.00	N/A
812.01 INTERNET ACCESS	.00	.00	.00	.00	.00	.00	.00	N/A
818.00 CONTRACT SERVICES	18535.00	.00	18535.00	.00	.00	.00	18457.98	N/A
850.99 TELEPHONE - MOBILE	.00	.00	.00	.00	.00	.00	.00	N/A
852.00 TELEMETER EXP - GENERAL	2937.00	.00	2937.00	168.99	168.99	.00	2768.01	N/A
853.00 MISS DIG SERVICES	900.00	.00	900.00	531.39	531.39	.00	368.61	5.75
860.00 TRAVEL SERVICES	.00	.00	.00	.00	.00	.00	.00	N/A
866.01 CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	.00	N/A
CONTRACTUAL SERVICES	22372.00	.00	22372.00	777.40	777.40	.00	21594.60	3.47
909.00 ADVERTISING	.00	.00	.00	.00	.00	.00	.00	N/A
911.00 INSURANCE PAYMENTS	.00	.00	.00	.00	.00	.00	.00	N/A
920.00 UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	.00	N/A
921.00 UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	.00	N/A
923.00 UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	.00	N/A
924.00 UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	.00	.00	N/A
924.99 SEWER BACKUP CLAIM	.00	.00	.00	.00	.00	.00	.00	N/A
925.99 SEWER SYSTEM UTILITY EXP	21195.00	.00	21195.00	.00	.00	.00	21195.00	N/A
925.99 WWT CIP PROJECTS	.00	.00	.00	.00	.00	.00	.00	N/A
925.99 WTP MEMBRANE INSTALLATION	5360.00	.00	5360.00	.00	.00	.00	5360.00	N/A
925.99 WTP MEMBRANE REPLACEMENT	71464.00	.00	71464.00	.00	.00	.00	71464.00	.00
925.99 SEWER SYSTEM DISPOSAL EXP	336000.00	.00	336000.00	.00	.00	.00	336000.00	N/A
930.00 BLDG REPAIR & MAINT	.00	.00	.00	.00	.00	.00	.00	N/A
932.00 EQUIP REPAIR & MAINT	.00	.00	.00	.00	.00	.00	.00	N/A

690 DEPT OF PUBLIC WORKS
445 DPW - EAST BAY SEWER

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES THIS YEAR	BUDGET BALANCE	% EXPENDED / REALIZED
932.01	RADIO REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
934.00	VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
941.00	EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	N/A
941.02	SYSTEM SOFTWARE	941.00	.00	941.00	503.07	503.07	.00	53.46
942.01	COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	437.93	N/A
943.00	OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	N/A
949.00	ENGINEERING	4000.00	.00	4000.00	.00	.00	.00	N/A
956.00	EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	4000.00	N/A
963.08	SPECIAL PROJECTS	.00	.00	.00	.00	.00	.00	N/A
OTHER CHARGES		438960.00	.00	438960.00	503.07	503.07	.00	438456.93
975.00	BUILDINGS	.00	.00	.00	.00	.00	.00	N/A
977.00	MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	N/A
977.07	TELEMETERING EQUIPMENT	.00	.00	.00	.00	.00	.00	N/A
978.00	VEHICLE	.00	.00	.00	.00	.00	.00	N/A
CAPITAL OUTLAYS		.00	.00	.00	.00	.00	.00	N/A
992.00	CONTINGENCY	30000.00	.00	30000.00	.00	.00	.00	30000.00
992.50	PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE		30000.00	.00	30000.00	.00	.00	30000.00	.00
TOTALS		516809.00	.00	516809.00	3053.67	3053.67	.00	513755.33
	CURRENT ACCUMULATIVE PERFORMANCE				7 %			
	PERCENT OF BUDGET EXPENDED							

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	CURRENT ENCUMBRANCES THIS YEAR	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	.00	.00	.00	.00	.00	.00	N/A
701.01 PER DIEM	.00	.00	.00	.00	.00	.00	N/A
702.00 FULL TIME & REGULAR PART TIME	.00	.00	.00	.00	.00	.00	N/A
702.01 PART TIME TEMPORARY	.00	.00	.00	.00	.00	.00	N/A
704.00 OVERTIME	.00	.00	.00	.00	.00	.00	N/A
705.00 PERSONAL LEAVE	8750.00	.00	8750.00	.00	.00	.00	N/A
715.00 FICA	669.00	.00	669.00	.00	.00	.00	N/A
716.00 HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	N/A
716.02 SHORT & L-T DISABILITY	.00	.00	.00	.00	.00	.00	N/A
716.03 PAYMENT IN LIEU OF INSURANCE	.00	.00	.00	.00	.00	.00	N/A
717.00 LIFE INSURANCE	.00	.00	.00	.00	.00	.00	N/A
718.00 RETIREMENT	.00	.00	.00	.00	.00	.00	N/A
718.01 RETIREMENT DC	.00	.00	.00	.00	.00	.00	N/A
718.05 RETIREMENT - DB UAL	.00	.00	.00	.00	.00	.00	N/A
719.00 WORKER'S COMP INS	.00	.00	.00	.00	.00	.00	N/A
720.00 UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	N/A
725.99 PERSONNEL CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
PERSONNEL	9419.00	.00	9419.00	.00	.00	.00	N/A
727.00 OFFICE SUPPLIES	678.00	.00	678.00	.00	.00	.00	N/A
729.00 PRINTING AND BINDING	923.00	.00	923.00	.00	.00	.00	N/A
730.00 COPY MACHINE USE	7434.00	.00	7434.00	.00	.00	.00	N/A
742.00 SAFETY EQUIPMENT	.00	.00	742.00	.00	.00	.00	N/A
745.00 UNIFORMS & ACCESSORIES	.00	.00	745.00	.00	.00	.00	N/A
745.02 CLOTHING ALLOWANCE	.00	.00	745.00	.00	.00	.00	N/A
747.00 SMALL TOOLS & SUPPLIES	.00	.00	747.00	.00	.00	.00	N/A
748.00 GAS, OIL & GREASE	.00	.00	748.00	.00	.00	.00	N/A
752.01 SEWER SYSTEM MATERIALS	15000.00	.00	15000.00	.00	.00	.00	N/A
752.50 SEWER SYS. MAINT & SUPPLIES	50000.00	.00	50000.00	.00	.00	.00	N/A
775.00 JANITORIAL SUPPLIES	15000.00	.00	15000.00	.00	.00	.00	N/A
COMMODITIES	75535.00	.00	75535.00	.00	2391.76	2391.76	N/A
808.00 ATTORNEY FEES	.00	.00	.00	.00	.00	.00	N/A
810.00 SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	N/A
810.01 DUES	.00	.00	.00	.00	.00	.00	N/A
811.00 SERVICE CONTRACTS	.00	.00	.00	.00	.00	.00	N/A
812.00 IT CHARGES	.00	.00	.00	.00	.00	.00	N/A
812.01 INTERNET ACCESS	.00	.00	.00	.00	.00	.00	N/A
818.00 CONTRACT SERVICES	47812.00	.00	47812.00	.00	.00	.00	N/A
850.99 TELEPHONE - MOBILE	.00	.00	.00	.00	.00	.00	N/A
852.00 TELEMETR EXP - GENERAL	6628.00	.00	6628.00	.00	207.23	207.23	N/A
853.00 MISS DIG SERVICES	2300.00	.00	2300.00	.00	1358.00	1358.00	N/A
860.00 TRAVEL	.00	.00	.00	.00	.00	.00	N/A
860.01 CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	N/A
CONTRACTUAL SERVICES	56750.00	.00	56750.00	.00	1719.80	1719.80	N/A
909.00 ADVERTISING	.00	.00	.00	.00	.00	.00	N/A
911.00 INSURANCE PAYMENTS	.00	.00	.00	.00	.00	.00	N/A
920.00 UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	N/A
921.00 UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	N/A
923.00 UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	N/A
924.00 UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	.00	N/A
924.99 SEWER SYSTEM UTILITY EXP	43600.00	.00	43600.00	.00	.00	.00	N/A
925.94 WWTP CIP PROJECTS	.00	.00	.00	.00	.00	.00	43600.00
925.95 FRONT ST. LIFT STATION COSTS	5400.00	.00	5400.00	.00	.00	.00	N/A
925.96 WWTP MEMBRANE INSTALLATION	14761.00	.00	14761.00	.00	.00	.00	5400.00
925.97 WWTP MEMBRANE REPLACEMENT	196800.00	.00	196800.00	.00	.00	.00	14761.00
925.99 SEWER SYSTEM DISPOSAL EXP	843500.00	.00	843500.00	.00	.00	.00	196800.00
930.00 BLDG REPAIR & MAINT.	.00	.00	.00	.00	.00	.00	843500.00
932.00 EQUIP REPAIR & MAINT.	.00	.00	.00	.00	.00	.00	N/A

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	EXPENDITURES THIS YEAR	CURRENT ENCOURANCES	BUDGET BALANCE	% EXPENDED / REALIZED
932.01 RADIO REPAIR & MAINT	.00	.00	.00	.00	.00	.00	.00	N/A
934.00 VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	.00	N/A
941.00 EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	.00	N/A
941.02 SYSTEM SOFTWARE	2036.00	.00	2036.00	1009.66	1009.66	.00	.00	49.59
942.01 COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	.00	N/A
943.00 OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
949.00 ENGINEERING	15000.00	.00	15000.00	.00	.00	.00	.00	N/A
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	.00	.00	N/A
963.08 SPECIAL PROJECTS	.00	.00	.00	.00	.00	.00	.00	N/A
OTHER CHARGES	1121097.00	.00	1121097.00	1009.66	1009.66	.00	.00	N/A
975.00 BUILDINGS	.00	.00	.00	.00	.00	.00	.00	N/A
976.01 IMPROVEMENTS	.00	.00	.00	.00	.00	.00	.00	N/A
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
977.03 CELLULAR PHONES	.00	.00	.00	.00	.00	.00	.00	N/A
977.07 TELEMETRIC EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00 VEHICLE	.00	.00	.00	.00	.00	.00	.00	N/A
CAPITAL OUTLAYS	.00	.00	.00	.00	.00	.00	.00	N/A
992.00 CONTINGENCY	50000.00	.00	50000.00	.00	.00	.00	.00	N/A
992.50 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	50000.00	.00	50000.00	.00	.00	.00	.00	N/A
TOTALS	1312801.00	.00	1312801.00	5121.22	5121.22	.00	.00	1307679.78
				4 %				

690 DEPT OF PUBLIC WORKS
448 DPW - GARFIELD WATER

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	CURRENT ENCUMBRANCES THIS YEAR	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	.00	.00	.00	.00	.00	.00	N/A
701.01 PER DIEM	.00	.00	.00	.00	.00	.00	N/A
702.00 FULL TIME & REGULAR PART TIME	.00	.00	.00	.00	.00	.00	N/A
702.01 LONGEVITY	.00	.00	.00	.00	.00	.00	N/A
703.00 PART TIME TEMPORARY	.00	.00	.00	.00	.00	.00	N/A
704.00 OVERTIME	.00	.00	.00	.00	.00	.00	N/A
705.00 PERSONAL LEAVE	8750.00	.00	8750.00	.00	.00	.00	8750.00
715.00 FICA	669.00	.00	669.00	.00	.00	.00	N/A
716.00 HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	N/A
716.02 SHORT & L/T DISABILITY	.00	.00	.00	.00	.00	.00	N/A
716.03 PAYMENT IN LIEU OF INSURANCE	.00	.00	.00	.00	.00	.00	N/A
717.00 LIFE INSURANCE	.00	.00	.00	.00	.00	.00	N/A
718.00 RETIREMENT DC	.00	.00	.00	.00	.00	.00	N/A
718.01 RETIREMENT - DB JAIL	.00	.00	.00	.00	.00	.00	N/A
719.00 WORKER'S COMP INS	.00	.00	.00	.00	.00	.00	N/A
720.00 UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	N/A
725.99 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
PERSONNEL	9419.00	.00	9419.00	.00	.00	.00	N/A
727.00 OFFICE SUPPLIES	576.00	.00	576.00	.00	.00	.00	9419.00
729.00 PRINTING AND BINDING	826.00	.00	826.00	.00	.00	.00	44.14
729.02 COPY MACHINE USE	.00	.00	7664.00	.00	.00	.00	826.00
730.00 POSTAGE	.00	.00	7664.00	.00	.00	.00	N/A
742.00 SAFETY EQUIPMENT	.00	.00	840.00	.00	.00	.00	6824.00
745.00 UNIFORMS & ACCESSORIES	.00	.00	840.00	.00	.00	.00	10.96
745.02 CLOTHING ALLOWANCE	.00	.00	840.00	.00	.00	.00	N/A
747.00 SMALL TOOLS & SUPPLIES	.00	.00	840.00	.00	.00	.00	N/A
748.00 GAS, OIL & GREASE	.00	.00	840.00	.00	.00	.00	N/A
753.00 WATER SYSTEM MATERIALS	2500.00	.00	2500.00	.00	.00	.00	N/A
753.50 WATER SYS. MAINT & SUPPLIES	15100.00	.00	15100.00	.00	.00	.00	2500.00
775.00 JANITORIAL SUPPLIES	47000.00	.00	47000.00	.00	.00	.00	15100.00
COMMODITIES	209566.00	.00	209566.00	.00	.00	.00	44172.89
808.00 ATTORNEY FEES	.00	.00	3921.37	.00	.00	.00	6.02
810.00 SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	N/A
810.01 DUES	.00	.00	.00	.00	.00	.00	N/A
811.00 SERVICE CONTRACTS	.00	.00	.00	.00	.00	.00	N/A
812.00 IT CHARGES	.00	.00	.00	.00	.00	.00	N/A
812.01 INTERNET ACCESS	.00	.00	.00	.00	.00	.00	N/A
818.00 CONTRACT SERVICES	83719.00	.00	83719.00	.00	.00	.00	N/A
850.99 TELEPHONE, MOBILE	.00	.00	131.11	.00	.00	.00	83587.89
852.00 TELEMETER, EXP - GENERAL	.00	.00	20522.00	.00	.00	.00	N/A
853.00 MISS DIG SERVICES	2810.00	.00	2810.00	.00	.00	.00	20028.04
860.00 TRAVEL	.00	.00	.00	.00	.00	.00	59.41
860.01 CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	1150.87
CONTRACTUAL SERVICES	107051.00	.00	107051.00	.00	.00	.00	N/A
909.00 ADVERTISING PAYMENTS	.00	.00	2284.20	.00	.00	.00	104766.80
911.00 UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	N/A
920.00 UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	N/A
923.00 UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	N/A
923.83 HYDRANT MAINTENANCE	10500.00	.00	10500.00	.00	.00	.00	N/A
923.85 WATER SYSTEM UTILITY EXP	17411.00	.00	17411.00	.00	.00	.00	10500.00
923.95 WATER FROM CITY	92660.00	.00	92660.00	.00	.00	.00	17304.21
924.00 UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	.00	2.88
930.00 BLDG REPAIR & MAINT.	.00	.00	.00	.00	.00	.00	92660.00
932.00 EQUIP REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.01 RADIO REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
934.00 VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
941.00 EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	N/A

690 DEPT OF PUBLIC WORKS
448 DPW - GARFIELD WATER

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
941.02 SYSTEM SOFTWARE	2710.00	.00	2710.00	1644.62	1644.62	.00	1065.38
942.01 COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	60.69
943.00 OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	N/A
949.00 ENGINEERING	.00	.00	.00	.00	.00	.00	N/A
956.00 EMPLOYEE TRAINING & DEVELOP.	15000.00	.00	15000.00	.00	.00	15000.00	N/A
OTHER CHARGES	.00	.00	1132221.00	6751.41	6751.41	.00	N/A
975.00 BUILDINGS	.00	.00	.00	.00	.00	.00	.60
976.01 IMPROVEMENTS	.00	.00	.00	.00	.00	.00	N/A
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	N/A
977.07 TELEMETRY EQUIPMENT	.00	.00	.00	.00	.00	.00	N/A
978.00 VEHICLE	.00	.00	.00	.00	.00	.00	N/A
982.65 ASSESSMENT - ACT 165	6000.00	.00	6000.00	.00	.00	6000.00	N/A
CAPITAL OUTLAYAS	6000.00	.00	6000.00	.00	.00	6000.00	.00
992.00 CONTINGENCY	50000.00	.00	50000.00	.00	.00	50000.00	.00
992.50 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	50000.00	.00	50000.00	.00	.00	50000.00	.00
TOTALS	1514257.00	.00	1514257.00	12956.98	12956.98	.00	1501300.02
CURRENT ACCUMULATIVE PERFORMANCE			10 %				
PERCENT OF BUDGET EXPENDED							

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00	DEPARTMENT HEAD	.00	.00	.00	.00	.00	.00	N/A
701.01	PER DIEM	.00	.00	.00	.00	.00	.00	N/A
702.01	FULL TIME & REGULAR PART TIME	.00	.00	.00	.00	.00	.00	N/A
703.00	PART TIME TEMPORARY	.00	.00	.00	.00	.00	.00	N/A
704.00	OVERTIME	.00	.00	.00	.00	.00	.00	N/A
705.00	PERSONAL LEAVE	3750.00	.00	3750.00	.00	.00	.00	3750.00
715.00	FICA	287.00	.00	287.00	.00	.00	.00	287.00
716.00	HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	N/A
716.02	SHORT & L-T DISABILITY	.00	.00	.00	.00	.00	.00	N/A
716.03	STORY IN LIEU OF INSURANCE	.00	.00	.00	.00	.00	.00	N/A
717.00	LIFE INSURANCE	.00	.00	.00	.00	.00	.00	N/A
718.00	RETIREMENT	.00	.00	.00	.00	.00	.00	N/A
718.01	RETIREMENT DC	.00	.00	.00	.00	.00	.00	N/A
718.05	WORKER'S COMP INS	.00	.00	.00	.00	.00	.00	N/A
719.00	UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	N/A
725.99	PERSONNEL -CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
PERSONNEL		4037.00	.00	4037.00	.00	.00	.00	4037.00
727.00	OFFICE SUPPLIES	328.00	.00	328.00	144.95	.00	.00	44.19
729.00	PRINTING AND BINDING	415.00	.00	415.00	.00	.00	415.00	0.00
730.00	COPY MACHINE USE	3595.00	.00	3595.00	810.00	.00	.00	2785.00
742.00	SAFETY EQUIPMENT	.00	.00	.00	.00	.00	.00	N/A
745.00	UNIFORMS & ACCESSORIES	.00	.00	.00	.00	.00	.00	22.53
747.00	CLOTHING ALLOWANCE	.00	.00	.00	.00	.00	.00	N/A
748.00	SMALL TOOLS & SUPPLIES	.00	.00	.00	.00	.00	.00	N/A
748.50	GAS, OIL & GREASE	350.00	.00	350.00	.00	.00	.00	N/A
752.01	SEWER SYSTEM MATERIALS	1200.00	.00	1200.00	.00	.00	.00	350.00
752.50	SEWER SYS. MAINT & SUPPLIES	4000.00	.00	4000.00	2.04	2.04	.00	1200.00
775.00	JANITORIAL SUPPLIES	.00	.00	.00	.00	.00	.00	3997.96
COMMODITIES		9888.00	.00	9888.00	956.99	956.99	.00	N/A
808.00	ATTORNEY FEES	.00	.00	.00	.00	.00	.00	8931.01
810.00	SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	N/A
811.00	SERVICE CONTRACTS	.00	.00	.00	.00	.00	.00	N/A
812.00	IT CHARGES	.00	.00	.00	.00	.00	.00	N/A
812.01	INTERNET ACCESS	.00	.00	.00	.00	.00	.00	N/A
818.00	CONTRACT SERVICES	21369.00	.00	21369.00	74.75	74.75	.00	N/A
850.00	TELEPHONE, MOBILE	.00	.00	.00	.00	.00	.00	21294.25
852.00	TELEMETRIC EXP - GENERAL	2535.00	.00	2535.00	156.69	156.69	.00	N/A
860.00	MISS DIG SERVICES	491.00	.00	491.00	289.31	289.31	.00	2378.31
860.01	CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	200.69
CONTRACTUAL SERVICES		24395.00	.00	24395.00	520.75	520.75	.00	23874.25
909.00	ADVERTISING	.00	.00	.00	.00	.00	.00	2.13
911.00	INSURANCE PAYMENTS	.00	.00	.00	.00	.00	.00	N/A
920.00	UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	N/A
921.00	UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	N/A
923.00	UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	N/A
924.00	UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	.00	N/A
925.94	WWTP CIP PROJECTS	10665.00	.00	10665.00	.00	.00	.00	10665.00
925.95	FRONT ST LIFT STATION COSTS	18400.00	.00	18400.00	.00	.00	.00	N/A
925.96	WWTP MEMBRANE INSTALLATION	1870.00	.00	1870.00	.00	.00	.00	18400.00
925.97	WWTP MEMBRANE REPLACEMENT	24921.00	.00	24921.00	.00	.00	.00	1870.00
925.99	SEWER SYSTEM DISPOSAL EXP	130400.00	.00	130400.00	.00	.00	.00	24921.00
930.00	BLDG REPAIR & MAINT	.00	.00	.00	.00	.00	.00	130400.00
932.01	EQUIP REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.01	RADIO REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDED THIS MONTH	EXPENDED THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
934.00 VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	.00	N/A
941.00 EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	.00	N/A
941.02 SYSTEM SOFTWARE	800.00	.00	800.00	488.18	488.18	.00	311.82	61.02
942.01 COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	.00	N/A
943.00 OFFICE SPICE RENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
949.00 ENGINEERING	2500.00	.00	2500.00	.00	.00	.00	2500.00	N/A
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	.00	.00	N/A
963.08 SPECIAL PROJECTS	.00	.00	.00	.00	.00	.00	.00	N/A
OTHER CHARGES	189556.00	.00	189556.00	488.18	488.18	.00	189067.82	.26
975.00 BUILDINGS	.00	.00	.00	.00	.00	.00	.00	N/A
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
977.07 TELEMETRY EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00 VEHICLE	.00	.00	.00	.00	.00	.00	.00	N/A
CAPITAL OUTLAYS	.00	.00	.00	.00	.00	.00	.00	N/A
992.00 CONTINGENCY	20000.00	.00	20000.00	.00	.00	.00	20000.00	N/A
992.50 PERSONNEL CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	20000.00	.00	20000.00	.00	.00	.00	20000.00	.00
TOTALS	247876.00	.00	247876.00	1965.92	1965.92	.00	245910.08	
CURRENT ACCUMULATIVE PERFORMANCE				9 %				
PERCENT OF BUDGET EXPENDED								

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	CURRENT ENCUMBRANCES THIS YEAR	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	.00	.00	.00	.00	.00	.00	N/A
701.01 PER DIEM	.00	.00	.00	.00	.00	.00	N/A
702.00 FULL TIME & REGULAR PART TIME	.00	.00	.00	.00	.00	.00	N/A
702.01 LONGEVITY	.00	.00	.00	.00	.00	.00	N/A
703.00 PART TIME TEMPORARY	.00	.00	.00	.00	.00	.00	N/A
704.00 OVERTIME	.00	.00	.00	.00	.00	.00	N/A
705.00 PERSONAL LEAVE	3750.00	.00	3750.00	.00	.00	.00	0.00
715.00 FICA	287.00	.00	287.00	.00	.00	.00	N/A
716.00 HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	N/A
716.03 SHORT & LT-DISABILITY	.00	.00	.00	.00	.00	.00	N/A
716.03 PAYMENT IN LIEU OF INSURANCE	.00	.00	.00	.00	.00	.00	N/A
717.00 LIFE INSURANCE	.00	.00	.00	.00	.00	.00	N/A
718.00 RETIREMENT DC	.00	.00	.00	.00	.00	.00	N/A
718.05 RETIREMENT - DB UAL	.00	.00	.00	.00	.00	.00	N/A
719.00 WORKER'S COMP INS	.00	.00	.00	.00	.00	.00	N/A
720.00 UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	N/A
725.99 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
PERSONNEL	4037.00	.00	4037.00	.00	.00	.00	4037.00
727.00 OFFICE SUPPLIES	137.00	.00	137.00	60.32	60.32	.00	44.03
729.00 PRINTING AND BINDING	175.00	.00	175.00	.00	.00	.00	175.00
729.02 COPY MACHINE USE	60.00	.00	60.00	.00	.00	.00	N/A
730.00 POSTAGE	1496.00	.00	1496.00	385.00	385.00	.00	25.74
742.00 SAFETY EQUIPMENT	.00	.00	.00	.00	.00	.00	N/A
745.00 UNIFORMS & ACCESSORIES	.00	.00	.00	.00	.00	.00	N/A
745.02 CLOTHING ALLOWANCE	.00	.00	.00	.00	.00	.00	N/A
747.00 SMALL TOOLS & SUPPLIES	.00	.00	.00	.00	.00	.00	N/A
748.00 GAS, OIL & GREASE	.00	.00	.00	.00	.00	.00	N/A
752.01 SEWER SYSTEM MATERIALS	150.00	.00	150.00	.00	.00	.00	150.00
752.50 SEWER SYS. MANT. & SUPPLIES	5000.00	.00	5000.00	5000.00	5000.00	.00	5000.00
775.00 JANITORIAL SUPPLIES	6000.00	.00	6000.00	75.16	75.16	.00	5924.84
COMMODITIES	12958.00	.00	12958.00	520.48	520.48	.00	12437.52
808.00 ATTORNEY FEES	.00	.00	.00	.00	.00	.00	4.02
810.00 SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	N/A
810.01 DUES	.00	.00	.00	.00	.00	.00	N/A
811.00 SERVICE CONTRACTS	.00	.00	.00	.00	.00	.00	N/A
812.00 IT CHARGES	.00	.00	.00	.00	.00	.00	N/A
812.11 INTERNET ACCESS	.00	.00	.00	.00	.00	.00	N/A
818.00 CONTRACT SERVICES	17520.00	.00	17520.00	31.00	31.00	.00	0.00
850.90 TELEPHONE, MOBILE	.00	.00	.00	.00	.00	.00	17488.90
852.00 TELEMETRIC EXP.	1252.00	.00	1252.00	.50	.50	.00	N/A
853.00 MISS DIG SERVICES	250.00	.00	250.00	147.61	147.61	.00	1244.50
860.00 TRAVEL	.00	.00	.00	.00	.00	.00	59.04
860.01 CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	1.02
CONTRACTUAL SERVICES	19022.00	.00	19022.00	186.21	186.21	.00	18635.79
909.00 ADVERTISING	.00	.00	.00	.00	.00	.00	.98
911.00 INSURANCE PAYMENTS	.00	.00	.00	.00	.00	.00	N/A
920.00 UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	N/A
921.00 UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	N/A
923.00 UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	N/A
924.00 UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	.00	N/A
924.99 SEWER SYSTEM UTILITY EXP	4300.00	.00	4300.00	.00	.00	.00	4300.00
925.94 WTP/CIP PROJECTS	.00	.00	.00	.00	.00	.00	N/A
925.95 FRONT ST. LIFT STATION COSTS	2000.00	.00	2000.00	.00	.00	.00	2000.00
925.96 WTP MEMBRANE INSTALLATION	908.00	.00	908.00	.00	.00	.00	908.00
925.97 WTP MEMBRANE REPLACEMENT	12094.00	.00	12094.00	.00	.00	.00	12094.00
925.99 SEWER SYSTEM DISPOSAL EXP	53700.00	.00	53700.00	.00	.00	.00	53700.00
930.00 BLDG REPAIR & MAINT.	.00	.00	.00	.00	.00	.00	N/A
932.00 EQUIP REPAIR & MAINT.	.00	.00	.00	.00	.00	.00	N/A

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	EXPENDITURES THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
932.01 RADIO REPAIR & MAINT	.00	.00	.00	.00	.00	.00	.00	N/A
934.00 VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	.00	N/A
941.00 EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	.00	N/A
941.02 SYSTEM SOFTWARE	346.00	.00	346.00	203.15	203.15	.00	.00	N/A
942.01 COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	.00	58.71
943.00 OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
949.00 ENGINEERING	2000.00	.00	2000.00	.00	.00	.00	.00	N/A
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	.00	.00	N/A
963.08 SPECIAL PROJECTS	.00	.00	.00	.00	.00	.00	.00	N/A
OTHER CHARGES	75348.00	.00	75348.00	203.15	203.15	.00	.00	.27
975.00 BUILDINGS	.00	.00	.00	.00	.00	.00	.00	75144.85
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
977.07 TELEMETRY EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00 VEHICLE	.00	.00	.00	.00	.00	.00	.00	N/A
CAPITAL OUTLAYS	.00	.00	.00	.00	.00	.00	.00	N/A
992.00 CONTINGENCY	10000.00	.00	10000.00	.00	.00	.00	.00	N/A
992.50 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	10000.00	.00	10000.00	.00	.00	.00	.00	.00
TOTALS	121365.00	.00	121365.00	909.84	909.84	.00	.00	120455.16
				8 %				
				CURRENT ACCUMULATIVE PERFORMANCE				
				PERCENT OF BUDGET EXPENDED				

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00	DEPARTMENT HEAD	.00	.00	.00	.00	.00	.00	N/A
701.1	PER DIEM	.00	.00	.00	.00	.00	.00	N/A
702.00	FULL TIME & REGULAR PART TIME	.00	.00	.00	.00	.00	.00	N/A
702.01	LONGEVITY	.00	.00	.00	.00	.00	.00	N/A
703.00	PART TIME TEMPORARY	.00	.00	.00	.00	.00	.00	N/A
704.00	OVERTIME	.00	.00	.00	.00	.00	.00	N/A
705.00	PERSONAL LEAVE	10000.00	10000.00	10000.00	.00	.00	10000.00	N/00
715.00	FICA	765.00	765.00	765.00	.00	.00	.00	N/00
716.00	HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	N/00
716.02	SHORT & L-T DISABILITY PAYMENT IN LIEU OF INSURANCE	.00	.00	.00	.00	.00	.00	N/00
717.00	LIFE INSURANCE	.00	.00	.00	.00	.00	.00	N/00
718.00	RETIREMENT DC	.00	.00	.00	.00	.00	.00	N/00
718.01	RETIREMENT - DB UVAL	.00	.00	.00	.00	.00	.00	N/00
719.00	WORKER'S COMP INS	.00	.00	.00	.00	.00	.00	N/00
720.00	UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	N/00
725.99	PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	N/00
	PERSONNEL	10765.00	10765.00	10765.00	.00	.00	.00	10765.00
727.00	OFFICE SUPPLIES	333.00	00	333.00	147.16	147.16	.00	44.19
729.02	PRINTING AND BINDING	482.00	00	482.00	.00	.00	482.00	00
730.00	COPY MACHINE USE	729.02	00	729.02	.00	.00	729.02	00
	POSTAGE	3746.00	00	3746.00	940.00	940.00	00	25.09
742.00	SAFETY EQUIPMENT	.00	.00	.00	.00	.00	00	N/A
745.00	UNIFORMS & ACCESSORIES	.00	.00	.00	.00	.00	.00	N/A
745.02	CLOTHING ALLOWANCE	.00	.00	.00	.00	.00	.00	N/A
747.00	SMALL TOOLS & SUPPLIES	.00	.00	.00	.00	.00	.00	N/A
748.00	GAS, OIL & GREASE	.00	.00	.00	.00	.00	.00	N/A
753.00	GAS, OIL, GREASE - STATIONS	750.00	00	750.00	.00	.00	750.00	00
753.50	WATER SYSTEM MATERIALS	3000.00	00	3000.00	606.60	606.60	00	20.22
775.00	WATER SYS. MAINT & SUPPLIES	71625.00	00	71625.00	.00	.00	71625.00	00
775.00	JANITORIAL SUPPLIES	775.00	00	775.00	.00	.00	775.00	00
	COMMODITIES	107436.00	00	107436.00	1693.76	1693.76	.00	105742.24
808.00	ATTORNEY FEES	.00	.00	.00	.00	.00	.00	N/A
810.00	SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	N/A
810.01	DUES	.00	.00	.00	.00	.00	.00	N/A
811.00	SERVICE CONTRACTS	.00	.00	.00	.00	.00	.00	N/A
812.00	IT CHARGES	.00	.00	.00	.00	.00	.00	N/A
812.01	INTERNET ACCESS	.00	.00	.00	.00	.00	.00	N/A
818.00	CONTRACT SERVICES	31269.00	00	31269.00	75.86	75.86	00	2.4
850.99	TELEPHONE - MOBILE	.00	.00	.00	.00	.00	.00	N/A
852.00	TELEMETER EXP - GENERAL	10933.00	00	10933.00	192.08	192.08	00	1.76
853.00	MISS DIG SERVICES	1700.00	00	1700.00	1003.74	1003.74	00	59.04
860.00	TRAVEL	.00	.00	.00	.00	.00	.00	N/A
860.01	CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	N/A
	CONTRACTUAL SERVICES	43902.00	00	43902.00	1271.68	1271.68	.00	42630.32
909.00	ADVERTISING	.00	.00	.00	.00	.00	.00	N/A
911.00	INSURANCE PAYMENTS	.00	.00	.00	.00	.00	.00	N/A
920.00	UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	N/A
921.00	UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	N/A
923.00	UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	N/A
923.83	HYDRANT MAINTENANCE	1500.00	00	1500.00	.00	.00	1500.00	00
923.85	WATER SYSTEM UTILITY EXP	116730.00	00	116730.00	.00	.00	116730.00	00
924.00	UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	.00	N/A
929.00	BLDG REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.00	EQUIP REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.01	RADIO REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
934.00	VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
941.00	EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	N/A
941.02	SYSTEM SOFTWARE	1608.00	00	1608.00	972.43	972.43	.00	635.57

690 DEPT OF PUBLIC WORKS
452 EAST BAY WATER

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	EXPENDITURE THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
942.01 COUNTY INDIRECT COSTS - G.T.	.00	.00	.00	.00	.00	.00	.00	N/A
943.00 OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
949.00 ENGINEERING	.00	.00	.00	.00	.00	.00	.00	N/A
956.00 EMPLOYEE TRAINING & DEVELOP.	6000.00	.00	6000.00	.00	.00	.00	6000.00	N/A
OTHER CHARGES	.00	.00	.00	.00	.00	.00	.00	N/A
975.00 BUILDINGS	125838.00	.00	125838.00	972.43	972.43	.00	124865.57	.77
977.00 MACHINERY AND EQUIPMENT	200000.00	.00	200000.00	.00	.00	.00	200000.00	N/A
977.07 TELEMETRY EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00 VEHICLE	.00	.00	.00	.00	.00	.00	.00	N/A
982.65 ASSESSMENT - ACT 165	1400.00	.00	1400.00	.00	.00	.00	1400.00	.00
CAPITAL OUTLAYS	201400.00	.00	201400.00	.00	.00	.00	201400.00	.00
992.00 CONTINGENCY	40000.00	.00	40000.00	.00	.00	.00	40000.00	N/A
992.50 PERSONNEL CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	40000.00	.00	40000.00	.00	.00	.00	40000.00	.00
TOTALS	529341.00	.00	529341.00	3937.87	3937.87	.00	525403.13	
CURRENT ACCUMULATIVE PERFORMANCE				8 ¾ %				
PERCENT OF BUDGET EXPENDED								

458 PENINSULA TOWNSHIP WATER

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	.00	.00	.00	.00	.00	.00	N/A
701.01 PER DIEM	.00	.00	.00	.00	.00	.00	N/A
702.00 FULL TIME & REGULAR PART TIME	.00	.00	.00	.00	.00	.00	N/A
702.01 LONGEVITY PAYMENT	.00	.00	.00	.00	.00	.00	N/A
703.00 PART TIME TEMPORARY	.00	.00	.00	.00	.00	.00	N/A
704.00 OVERTIME	.00	.00	.00	.00	.00	.00	N/A
705.00 PERSONAL LEAVE	2500.00	.00	2500.00	.00	.00	.00	2500.00
715.00 FICA	191.00	.00	191.00	.00	.00	.00	191.00
716.00 HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	N/A
716.02 SHORT & L-T DISABILITY	.00	.00	.00	.00	.00	.00	N/A
716.03 PAYMENT IN LIEU OF INSURANCE	.00	.00	.00	.00	.00	.00	N/A
717.00 LIFE INSURANCE	.00	.00	.00	.00	.00	.00	N/A
718.00 RETIREMENT	.00	.00	.00	.00	.00	.00	N/A
718.01 RETIREMENT DC	.00	.00	.00	.00	.00	.00	N/A
718.05 RETIREMENT - DB UAL	.00	.00	.00	.00	.00	.00	N/A
719.00 WORKER'S COMP INS	.00	.00	.00	.00	.00	.00	N/A
720.00 UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	N/A
725.99 PERSONNEL CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
PERSONNEL	2691.00	.00	2691.00	.00	.00	.00	2691.00
727.00 OFFICE SUPPLIES	128.00	.00	128.00	56.29	56.29	.00	71.71
729.00 PRINTING AND BINDING	171.00	.00	171.00	.00	.00	.00	171.00
729.02 COPY MACHINE USE	0.00	.00	0.00	.00	.00	.00	N/A
730.00 POSTAGE	1732.00	.00	1732.00	360.00	360.00	.00	1372.00
742.00 SAFETY EQUIPMENT	.00	.00	.00	.00	.00	.00	20.79
745.00 UNIFORMS & ACCESSORIES	.00	.00	.00	.00	.00	.00	N/A
745.02 CLOTHING ALLOWANCE	.00	.00	.00	.00	.00	.00	N/A
747.00 SMALL TOOLS & SUPPLIES	.00	.00	.00	.00	.00	.00	N/A
748.00 GAS, OIL & GREASE	.00	.00	.00	.00	.00	.00	N/A
753.00 WATER SYSTEM MATERIALS	450.00	.00	450.00	.00	.00	.00	450.00
753.50 WATER SYS. MAINT. & SUPPLIES	16500.00	.00	16500.00	16400.00	457.55	457.55	16500.00
775.00 JANITORIAL SUPPLIES	11640.00	.00	11640.00	.00	.00	.00	11182.45
COMMODITIES	30621.00	.00	30621.00	873.84	873.84	.00	30621.00
808.00 ATTORNEY FEES	.00	.00	.00	.00	.00	.00	N/A
810.00 SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	N/A
811.00 DUES	.00	.00	.00	.00	.00	.00	N/A
811.00 SERVICE CONTRACTS	.00	.00	.00	.00	.00	.00	N/A
812.00 IT CHARGES	.00	.00	.00	.00	.00	.00	N/A
812.01 INTERNET ACCESS	.00	.00	.00	.00	.00	.00	N/A
818.00 CONTRACT SERVICES	20568.00	.00	20568.00	29.02	29.02	.00	20538.98
850.99 TELEPHONE, MOBILE	.00	.00	.00	.00	.00	.00	N/A
852.00 TELEMETRIC EXP GENERAL	1373.00	.00	1373.00	11.10	11.10	.00	1361.90
853.00 MISS DIG SERVICES	370.00	.00	370.00	218.46	218.46	.00	151.54
860.00 TRAVEL	.00	.00	.00	.00	.00	.00	59.04
860.01 CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	N/A
CONTRACTUAL SERVICES	22311.00	.00	22311.00	258.58	258.58	.00	22052.42
909.00 ADVERTISING	.00	.00	.00	.00	.00	.00	N/A
911.00 INSURANCE PAYMENTS	.00	.00	.00	.00	.00	.00	N/A
920.00 UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	N/A
921.00 UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	N/A
923.00 UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	N/A
923.85 HYDRANT MAINTENANCE	315.00	.00	315.00	.00	.00	.00	315.00
923.95 WATER SYSTEM UTILITY EXP	24640.00	.00	24640.00	104200.00	104200.00	.00	24640.00
924.00 UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	.00	104200.00
930.00 BLDG REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.00 EQUIP REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.01 RADIO REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
934.00 VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
941.00 EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	N/A

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	EXPENDITURES THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
941.02	SYSTEM SOFTWARE	460.00	.00	460.00	293.88	293.88	.00	166.12	63.89
942.01	COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	.00	N/A
943.00	OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
949.00	ENGINEERING	.00	.00	2000.00	.00	.00	.00	2000.00	N/A
956.00	EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	.00	.00	N/A
OTHER CHARGES		131615.00	.00	131615.00	293.88	293.88	.00	131321.12	.22
975.00	BUILDINGS	.00	.00	.00	.00	.00	.00	.00	N/A
977.00	MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
977.07	TELEMETERING EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00	VEHICLE	.00	.00	.00	.00	.00	.00	.00	N/A
982.65	ASSESSMENT - ACT 165	1400.00	.00	1400.00	.00	.00	.00	1400.00	.00
CAPITAL OUTLAYS		1400.00	.00	1400.00	.00	.00	.00	1400.00	.00
992.00	CONTINGENCY	20000.00	.00	20000.00	.00	.00	.00	20000.00	N/A
992.50	PERSONNEL CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE		20000.00	.00	20000.00	.00	.00	.00	20000.00	.00
TOTALS		208638.00	.00	208638.00	1426.30	1426.30	.00	207211.70	
	CURRENT ACCUMULATIVE PERFORMANCE								
	PERCENT OF BUDGET EXPENDED								

690 DEPT OF PUBLIC WORKS
459 ELMWOOD TIMBERLEY WATER

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00	DEPARTMENT HEAD	.00	.00	.00	.00	.00	.00	N/A
701.01	PER DIEM	.00	.00	.00	.00	.00	.00	N/A
702.00	FULL TIME & REGULAR PART TIME	.00	.00	.00	.00	.00	.00	N/A
702.01	LONGEVITY	.00	.00	.00	.00	.00	.00	N/A
703.00	PART TIME TEMPORARY	.00	.00	.00	.00	.00	.00	N/A
704.00	OVERTIME	1875.00	.00	1875.00	.00	.00	.00	N/A
705.00	PERSONAL LEAVE	.00	.00	.00	.00	.00	.00	1875.00
715.00	FICA	143.00	.00	143.00	.00	.00	.00	N/A
716.00	HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	N/A
716.02	SHORT & L-T DISABILITY	.00	.00	.00	.00	.00	.00	N/A
716.03	PAYOUT IN LIEU OF INSURANCE	.00	.00	.00	.00	.00	.00	N/A
717.00	LIFE INSURANCE	.00	.00	.00	.00	.00	.00	N/A
718.00	RETIREMENT	.00	.00	.00	.00	.00	.00	N/A
718.01	RETIREMENT DC	.00	.00	.00	.00	.00	.00	N/A
718.05	RETIREMENT - DB UAL	.00	.00	.00	.00	.00	.00	N/A
719.00	WORKER'S COMP INS	.00	.00	.00	.00	.00	.00	N/A
720.00	UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	N/A
725.99	PERSONNEL - CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
PERSONNEL		2018.00	.00	2018.00	.00	.00	.00	2018.00
727.00	OFFICE SUPPLIES	46.00	.00	46.00	20.15	20.15	.00	43.80
729.00	PRINTING AND BINDING	67.00	.00	67.00	.00	.00	67.00	N/A
730.00	POSTAGE	589.00	.00	589.00	90.00	90.00	.00	499.00
742.00	SAFETY EQUIPMENT	.00	.00	.00	.00	.00	.00	15.28
745.00	UNIFORMS & ACCESSORIES	.00	.00	.00	.00	.00	.00	N/A
745.12	CLOTHING ALLOWANCE	.00	.00	.00	.00	.00	.00	N/A
747.10	SMALL TOOLS & SUPPLIES	.00	.00	.00	.00	.00	.00	N/A
748.00	GAS, OIL & GREASE	.00	.00	.00	.00	.00	.00	N/A
748.50	GAS, OIL, GREASE - STATIONS	200.00	.00	200.00	.00	.00	.00	N/A
753.00	WATER SYSTEM MATERIALS	5400.00	.00	5400.00	42.00	42.00	.00	2000.00
753.50	WATER SYS, MANT & SUPPLIES	6865.00	.00	6865.00	42.30	42.30	.00	5400.00
775.00	JANITORIAL SUPPLIES	.00	.00	.00	.00	.00	.00	6822.70
COMMODITIES		13167.00	.00	13167.00	152.45	152.45	.00	N/A
808.00	ATTORNEY FEES	.00	.00	.00	.00	.00	.00	13014.55
810.00	SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	N/A
810.01	DUES	.00	.00	.00	.00	.00	.00	N/A
811.00	SERVICE CONTRACTS	.00	.00	.00	.00	.00	.00	N/A
812.00	IT CHARGES	.00	.00	.00	.00	.00	.00	N/A
812.01	INTERNET ACCESS	.00	.00	.00	.00	.00	.00	N/A
818.00	CONTRACT SERVICES	11401.00	.00	11401.00	10.00	10.00	.00	N/A
850.99	TELEPHONE, MOBILE	.00	.00	.00	10.39	10.39	.00	11390.61
852.00	TELEMETER EXP - GENERAL	9327.00	.00	9327.00	7.50	7.50	.00	N/A
853.00	MISS DIG SERVICES	250.00	.00	250.00	147.61	147.61	.00	9319.50
860.00	TRAVEL	.00	.00	.00	.00	.00	.00	102.39
860.01	CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	59.04
CONTRACTUAL SERVICES		20978.00	.00	20978.00	165.50	165.50	.00	20812.50
909.00	ADVERTISING	.00	.00	.00	.00	.00	.00	N/A
911.00	INSURANCE PAYMENTS	.00	.00	.00	.00	.00	.00	N/A
920.00	UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	N/A
921.00	UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	N/A
923.00	UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	N/A
923.83	HYDRANT MAINTENANCE	100.00	.00	100.00	.00	.00	.00	N/A
923.85	WATER SYSTEM UTILITY EXP	7935.00	.00	7935.00	864.42	864.42	.00	10.60
924.00	UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	.00	10.29
930.00	BLDG REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.00	EQUIP REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.01	RADIO REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
934.00	VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
941.00	EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	N/A
941.02	SYSTEM SOFTWARE	230.00	.00	230.00	137.89	137.89	.00	92.11

690 DEPT OF PUBLIC WORKS
459 ELMWOOD TIMBERLEE WATER

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	EXPENDITURES THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
942.01 COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	.00	N/A
943.00 OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
949.00 ENGINEERING	500.00	.00	500.00	.00	.00	.00	500.00	N/A
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	.00	.00	N/A
OTHER CHARGES	8765.00	.00	8765.00	1002.31	1002.31	.00	7762.69	11.44
975.00 BUILDINGS	.00	.00	.00	.00	.00	.00	.00	N/A
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
977.07 TELEMETRY EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00 VEHICLE	.00	.00	.00	.00	.00	.00	.00	N/A
982.65 ASSESSMENT - ACT 165	2000.00	.00	2000.00	.00	.00	.00	2000.00	.00
CAPITAL OUTLAYS	2000.00	.00	2000.00	.00	.00	.00	2000.00	.00
992.00 CONTINGENCY	5000.00	.00	5000.00	.00	.00	.00	5000.00	.00
992.50 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	5000.00	.00	5000.00	.00	.00	.00	5000.00	.00
TOTALS	51928.00	.00	51928.00	1320.26	1320.26	.00	50607.74	
CURRENT ACCUMULATIVE PERFORMANCE				30 %				
PERCENT OF BUDGET EXPENDED				2 %				

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00	DEPARTMENT HEAD PER DIEM	.00	.00	.00	.00	.00	.00	N/A
701.01	FULL TIME & REGULAR PART TIME LONGEVITY	.00	.00	.00	.00	.00	.00	N/A
702.01	PART TIME TEMPORARY OVERTIME	.00	.00	.00	.00	.00	.00	N/A
704.00	PERSONAL LEAVE	6.00	.00	6.00	.00	.00	.00	N/A
705.00	FICA	46.00	.00	46.00	.00	.00	600.00	N/A
715.00	HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	N/A
716.00	SHORT & LT-T DISABILITY PAYMENT IN LIEU OF INSURANCE	.00	.00	.00	.00	.00	.00	N/A
717.00	LIFE INSURANCE	.00	.00	.00	.00	.00	.00	N/A
718.00	RETIREMENT DC	.00	.00	.00	.00	.00	.00	N/A
718.05	RETIREMENT - DB UAIL	.00	.00	.00	.00	.00	.00	N/A
719.00	WORKER'S COMP INS	.00	.00	.00	.00	.00	.00	N/A
720.00	UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	N/A
725.99	PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
PERSONNEL		646.00	.00	646.00	.00	.00	.00	N/A
727.00	OFFICE SUPPLIES	.00	.00	.00	.00	.00	.00	N/A
729.00	PRINTING AND BINDING	2.00	.00	2.00	.00	.00	.00	N/A
729.02	COPY MACHINE USE	.00	.00	.00	.00	.00	.00	N/A
730.00	POSTAGE	11.00	.00	11.00	.00	.00	.00	N/A
742.00	SAFETY EQUIPMENT	.00	.00	.00	.00	.00	.00	N/A
745.00	UNIFORMS & ACCESSORIES	.00	.00	.00	.00	.00	.00	N/A
745.02	CLOTHING ALLOWANCE	.00	.00	.00	.00	.00	.00	N/A
747.00	SMALL TOOLS & SUPPLIES	.00	.00	.00	.00	.00	.00	N/A
748.00	CAS, OIL & GREASE	.00	.00	.00	.00	.00	.00	N/A
748.50	CAS, OIL, GREASE - STATIONS	50.00	.00	50.00	.00	.00	.00	N/A
753.00	WATER SYSTEM MATERIALS	3450.00	.00	3450.00	7.00	7.00	50.00	N/A
753.50	WATER SYS. MAINT & SUPPLIES	.00	.00	.00	.00	.00	500.00	N/A
775.00	JANITORIAL SUPPLIES	.00	.00	.00	.00	.00	3442.00	N/A
COMMODITIES		4013.00	.00	4013.00	7.20	7.20	4005.80	.18
808.00	ATTORNEY FEES	.00	.00	.00	.00	.00	.00	N/A
810.00	SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	N/A
810.01	DUES	.00	.00	.00	.00	.00	.00	N/A
811.00	SERVICE CONTRACTS	.00	.00	.00	.00	.00	.00	N/A
812.00	IT CHARGES	.00	.00	.00	.00	.00	.00	N/A
812.01	INTERNET ACCESS	.00	.00	.00	.00	.00	.00	N/A
818.00	CONTRACT SERVICES	570.00	.00	570.00	.00	.00	.00	N/A
830.00	TELEPHONE	.00	.00	.00	.00	.00	.00	N/A
830.99	TELEPHONE, MOBILE	.00	.00	.00	.00	.00	.00	N/A
852.00	TELEMETER EXP - GENERAL	1066.00	.00	1066.00	46.19	46.19	1019.81	N/A
853.00	MISS DIG SERVICES	40.00	.00	40.00	23.62	23.62	16.38	4.33
860.00	TRAVEL	.00	.00	.00	.00	.00	.00	5.05
860.01	CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	N/A
CONTRACTUAL SERVICES		1676.00	.00	1676.00	69.81	69.81	.00	N/A
909.00	ADVERTISING	.00	.00	.00	.00	.00	.00	N/A
911.00	INSURANCE PAYMENTS	.00	.00	.00	.00	.00	.00	N/A
920.00	UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	N/A
921.00	UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	N/A
923.00	UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	N/A
923.83	HYDRANT MAINTENANCE	.00	.00	.00	.00	.00	.00	N/A
923.85	WATER SYSTEM UTILITY EXP	2930.00	.00	2930.00	.00	.00	.00	N/A
924.00	UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	2930.00	N/A
924.26	LOCHNHEATH	.00	.00	.00	.00	.00	.00	N/A
930.00	BLDG REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.00	EQUIP REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.01	RADIO REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
934.00	VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
941.00	EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	N/A

690 DEPT OF PUBLIC WORKS
460 ACME WATER - HOPE VILLAGE

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	EXPENDITURES THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
941.02 SYSTEM SOFTWARE	23.00	.00	23.00	11.92	11.92	.00	11.08	51.83
942.01 COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	.00	N/A
943.00 OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
949.00 ENGINEERING	.00	.00	.00	.00	.00	.00	.00	N/A
956.00 EMPLOYEE TRAINING & DEVELOP.	100.00	.00	100.00	.00	.00	.00	100.00	N/A
OTHER CHARGES	.00	.00	.00	.00	.00	.00	.00	N/A
975.00 BUILDINGS	3053.00	.00	3053.00	11.92	11.92	.00	3041.08	.39
977.07 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00 TELEMETRY EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
982.65 ASSESSMENT - ACT 165	700.00	.00	700.00	.00	.00	.00	700.00	N/A
CAPITAL OUTLAYS	700.00	.00	700.00	.00	.00	.00	700.00	.00
992.00 CONTINGENCY	1000.00	.00	1000.00	.00	.00	.00	1000.00	.00
992.50 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE	1000.00	.00	1000.00	.00	.00	.00	1000.00	.00
TOTALS	11088.00	.00	11088.00	88.93	88.93	.00	10999.07	
				9 %				
				CURRENT ACCUMULATIVE PERFORMANCE				
				PERCENT OF BUDGET EXPENDED				

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	.00	.00	.00	.00	.00	.00	N/A
701.01 PER DIEM	.00	.00	.00	.00	.00	.00	N/A
702.00 FULL TIME & REGULAR PART TIME	.00	.00	.00	.00	.00	.00	N/A
703.00 PART TIME TEMPORARY	.00	.00	.00	.00	.00	.00	N/A
704.00 OVERTIME	500.00	.00	500.00	.00	.00	.00	N/A
705.00 PERSONAL LEAVE	.00	.00	.00	.00	.00	.00	.00
710.00 FICA	38.00	.00	38.00	.00	.00	.00	N/A
715.00 HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	.00
716.02 SHORT & LONG TERM DISABILITY	.00	.00	.00	.00	.00	.00	N/A
716.03 PAYMENT IN LIEU OF INSURANCE	.00	.00	.00	.00	.00	.00	N/A
717.10 LIFE INSURANCE	.00	.00	.00	.00	.00	.00	N/A
718.00 RETIREMENT DC	.00	.00	.00	.00	.00	.00	N/A
718.05 RETIREMENT - DB VALU	.00	.00	.00	.00	.00	.00	N/A
719.00 WORKER'S COMP INS	.00	.00	.00	.00	.00	.00	N/A
720.00 UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	N/A
725.99 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
PERSONNEL	538.00	.00	538.00	.00	.00	.00	.00
727.00 OFFICE SUPPLIES	15.00	.00	15.00	6.50	6.50	.00	43.33
729.02 PRINTING AND BINDING	25.00	.00	25.00	.00	.00	.00	N/A
729.02 COPY MACHINE USE	688.00	.00	688.00	30.00	30.00	.00	658.00
730.00 SAFETY EQUIPMENT	.00	.00	.00	.00	.00	.00	4.36
742.00 UNIFORMS & ACCESSORIES	.00	.00	.00	.00	.00	.00	N/A
745.02 CLOTHING ALLOWANCE	.00	.00	.00	.00	.00	.00	N/A
747.00 SMALL TOOLS & SUPPLIES	.00	.00	.00	.00	.00	.00	N/A
748.00 GAS, OIL & GREASE	.00	.00	.00	.00	.00	.00	N/A
748.50 STATIONS	100.00	.00	100.00	.00	.00	.00	N/A
753.00 WATER SYSTEM MATERIALS	3500.00	.00	3500.00	.00	.00	.00	3500.00
753.50 WATER SYS. MAINT & SUPPLIES	1950.00	.00	1950.00	198.40	198.40	.00	1751.60
775.00 JANITORIAL SUPPLIES	.00	.00	.00	.00	.00	.00	10.17
COMMODITIES	6278.00	.00	6278.00	234.90	234.90	.00	N/A
808.00 ATTORNEY FEES	.00	.00	.00	.00	.00	.00	N/A
810.00 SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	N/A
810.01 DUES	.00	.00	.00	.00	.00	.00	N/A
811.00 SERVICE CONTRACTS	.00	.00	.00	.00	.00	.00	N/A
812.00 IT CHARGES	.00	.00	.00	.00	.00	.00	N/A
812.01 INTERNET ACCESS	.00	.00	.00	.00	.00	.00	N/A
818.00 CONTRACT SERVICES	15677.00	.00	15677.00	3.35	3.35	.00	N/A
850.00 TELEPHONE	.00	.00	.00	.00	.00	.00	15673.65
850.99 TELEMETRY, MOBILE	.00	.00	.00	.00	.00	.00	N/A
852.00 TELEMETRY, EXP - GENERAL	171.00	.00	171.00	4.20	4.20	.00	166.80
853.00 MISS DIG SERVICES	139.00	.00	139.00	82.66	82.66	.00	56.34
860.00 TRAVEL	.00	.00	.00	.00	.00	.00	59.47
860.01 CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	N/A
CONTRACTUAL SERVICES	15987.00	.00	15987.00	90.21	90.21	.00	15896.79
909.00 ADVERTISING PAYMENTS	.00	.00	.00	.00	.00	.00	.56
910.00 INSURANCE PAYMENTS	.00	.00	.00	.00	.00	.00	N/A
920.00 UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	N/A
921.00 UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	N/A
923.00 UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	N/A
923.83 HYDRANT MAINTENANCE	100.00	.00	100.00	.00	.00	.00	N/A
923.85 WATER SYSTEM UTILITY EXP	22900.00	.00	22900.00	.00	.00	.00	100.00
923.95 WATER FROM CITY	.00	.00	.00	.00	.00	.00	N/A
924.00 UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	.00	22900.00
930.00 BLDG REPAIR & MAINT.	.00	.00	.00	.00	.00	.00	N/A
932.00 EQUIP REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.01 RADIO REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
934.00 VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
941.00 EQUIP RENT/LEASE	.00	.00	.00	.00	.00	.00	N/A

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

690 DEPT OF PUBLIC WORKS

462 ELMWOOD GREENLICKVILLE WATER

		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURE THIS MONTH	EXPENDITURE THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
941.02	SYSTEM SOFTWARE	107.00	.00	107.00	60.63	60.63	.00	46.37	56.56
942.01	COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	.00	N/A
943.00	OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	.00	N/A
949.00	ENGINEERING	1000.00	.00	1000.00	.00	.00	.00	1000.00	.00
956.00	EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	.00	.00	N/A
OTHER CHARGES		24107.00	.00	24107.00	60.63	60.63	.00	24046.37	.25
975.00	BUILDINGS	.00	.00	.00	.00	.00	.00	.00	N/A
977.00	MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
977.07	TELEMETERING EQUIPMENT	.00	.00	.00	.00	.00	.00	.00	N/A
978.00	VEHICLE	.00	.00	.00	.00	.00	.00	.00	N/A
982.65	ASSESSMENT - ACT 165	700.00	.00	700.00	.00	.00	.00	700.00	.00
CAPITAL OUTLAYS		700.00	.00	700.00	.00	.00	.00	700.00	.00
992.00	CONTINGENCY	2000.00	.00	2000.00	.00	.00	.00	2000.00	.00
992.50	PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
DEBT SERVICE		2000.00	.00	2000.00	.00	.00	.00	2000.00	.00
TOTALS		49610.00	.00	49610.00	385.74	385.74	.00	49224.26	
	CURRENT ACCUMULATIVE PERFORMANCE				9 %				
	PERCENT OF BUDGET EXPENDED								

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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690 DEPT OF PUBLIC WORKS
465 WHITEMAKER SEWER

	INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDITURES THIS MONTH	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
701.00 DEPARTMENT HEAD	.00	.00	.00	.00	.00	.00	N/A
702.01 FULL TIME & REGULAR PART TIME	.00	.00	.00	.00	.00	.00	N/A
702.01 LONGEVITY PAYMENT	.00	.00	.00	.00	.00	.00	N/A
703.00 PART TIME TEMPORARY OVERTIME	250.00	.00	250.00	.00	.00	250.00	N/A
704.00 PERSONAL LEAVE	19.00	.00	19.00	.00	.00	.00	N/A
705.00 FICA	.00	.00	.00	.00	.00	.00	N/A
715.00 HEALTH, OPTICAL & DENTAL	.00	.00	.00	.00	.00	.00	N/A
716.00 SHORT & LT-D DISABILITY	.00	.00	.00	.00	.00	.00	N/A
717.00 LIFE INSURANCE	.00	.00	.00	.00	.00	.00	N/A
718.00 RETIREMENT DC	.00	.00	.00	.00	.00	.00	N/A
718.05 RETIREMENT - DBUAL	.00	.00	.00	.00	.00	.00	N/A
719.00 WORKER'S COMP INS.	.00	.00	.00	.00	.00	.00	N/A
720.00 UNEMPLOYMENT COMPENSATION	.00	.00	.00	.00	.00	.00	N/A
725.99 PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	N/A
PERSONNEL	269.00	.00	269.00	.00	.00	.00	269.00
727.00 OFFICE SUPPLIES	14.00	.00	14.00	5.98	.00	.00	42.71
729.00 PRINTING AND BINDING	17.00	.00	17.00	.00	.00	17.00	N/A
729.02 COPY MACHINE USE	.00	.00	.00	.00	.00	.00	30.20
730.00 POSTAGE EQUIPMENT	149.00	.00	149.00	45.00	.00	.00	N/A
742.00 SAFETY EQUIPMENT	.00	.00	.00	.00	.00	.00	N/A
745.00 UNIFORMS & ACCESSORIES	.00	.00	.00	.00	.00	.00	N/A
745.02 CLOTHING ALLOWANCE	.00	.00	.00	.00	.00	.00	N/A
747.00 SMALL TOOLS & SUPPLIES	.00	.00	.00	.00	.00	.00	N/A
748.00 GAS, OIL & GREASE	.00	.00	.00	.00	.00	.00	N/A
748.50 GAS, OIL, GREASE - STATIONS	.00	.00	.00	.00	.00	.00	N/A
752.50 SEWER SIS, MAINT & SUPPLIES	2500.00	.00	2500.00	.00	.00	.00	2500.00
775.00 JANITORIAL SUPPLIES	.00	.00	.00	.00	.00	.00	N/A
COMMODITIES	2680.00	.00	2680.00	50.98	.00	2629.02	1.90
808.00 ATTORNEY FEES	.00	.00	.00	.00	.00	.00	N/A
810.00 SUBSCRIPTIONS	.00	.00	.00	.00	.00	.00	N/A
810.01 DUES	.00	.00	.00	.00	.00	.00	N/A
812.00 IT CHARGES	.00	.00	.00	.00	.00	.00	N/A
812.01 INTERNET ACCESS	.00	.00	.00	.00	.00	.00	N/A
818.00 CONTRACT SERVICES	1031.00	.00	1031.00	3.10	.00	1027.90	N/A
850.00 TELEPHONE	.00	.00	.00	.00	.00	.00	N/A
850.29 TELEPHONE, MOBILE	.00	.00	.00	.00	.00	.00	N/A
853.06 MISS DIG SERVICES	.00	.00	.00	.00	.00	.00	N/A
860.00 TRAVEL CONVENTIONS & CONFERENCES	.00	.00	.00	.00	.00	.00	N/A
CONTRACTUAL SERVICES	1031.00	.00	1031.00	3.10	.00	1027.90	.30
909.00 ADVERTISING	.00	.00	.00	.00	.00	.00	N/A
911.00 INSURANCE PAYMENTS	.00	.00	.00	.00	.00	.00	N/A
920.00 UTILITIES - HEAT	.00	.00	.00	.00	.00	.00	N/A
921.00 UTILITIES - ELECTRIC	.00	.00	.00	.00	.00	.00	N/A
923.00 UTILITIES - WATER & SEWER	.00	.00	.00	.00	.00	.00	N/A
924.00 UTILITIES - WASTE COLLECTION	.00	.00	.00	.00	.00	.00	N/A
924.93 SEWER SYSTEM UTILITY EXP	425.00	.00	425.00	.00	.00	.00	425.00
930.00 BLDG REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
932.00 EQUIP REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
934.00 VEHICLE REPAIR & MAINT	.00	.00	.00	.00	.00	.00	N/A
941.02 SYSTEM SOFTWARE	27.00	.00	27.00	20.14	.00	.00	6.86
942.01 COUNTY INDIRECT COSTS-G.T.	.00	.00	.00	.00	.00	.00	N/A
943.00 OFFICE SPACE RENTAL	.00	.00	.00	.00	.00	.00	N/A
949.00 ENGINEERING	.00	.00	.00	.00	.00	.00	N/A
956.00 EMPLOYEE TRAINING & DEVELOP.	.00	.00	.00	.00	.00	.00	N/A
OTHER CHARGES	452.00	.00	452.00	20.14	.00	431.86	4.46
977.00 MACHINERY AND EQUIPMENT	.00	.00	.00	.00	.00	.00	N/A

GRAND TRAVERSE COUNTY
EXPENDITURE BUDGET STATUS REPORT AS OF 01/31/2022

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		INITIAL BUDGET	BUDGET ADJUSTMENTS	ADJUSTED BUDGET	EXPENDED THIS MONTH	EXPENDED THIS YEAR	CURRENT ENCUMBRANCES	BUDGET BALANCE	% EXPENDED / REALIZED
	CAPITAL OUTLAYS	.00	.00	.00	.00	.00	.00	.00	N/A
992.00	CONTINGENCY	552.00	.00	552.00	.00	.00	.00	552.00	.00
992.50	PERSONNEL-CONTINGENCY	.00	.00	.00	.00	.00	.00	.00	N/A
	DEBT SERVICE	552.00	.00	552.00	.00	.00	.00	552.00	.00
	TOTALS	4984.00	.00	4984.00	74.22	74.22	.00	4909.78	
		CURRENT ACCUMULATIVE PERFORMANCE		17 1/2 %					
		PERCENT OF BUDGET EXPENDED							

Jacobs

1041 East Butler Road
Greenville, SC 29607
864.676.5019

Invoice					
NUMBER	438951-17-01				
DATE	1-Feb-22				
PAGE	1 of 1				
PURCHASE ORDER NUMBER					
OUR REFERENCE	438951-17				
GTSFA					
CUSTOMER NUMBER	033532				
LOCATION NUMBER					
Wiring Information:					
Account Name: JACOBS ENGINEERING GROUP INC					
Account Number: 37509-6030					
Routing/Transit for ACH Debits & Credits: 1110000012					
Routing/Transit for Wires: 026009153					
SWIFT: BOFAUS3N					
Bill To:	Grand Traverse County Board of Public Works Attention: Director of Public Works 2650 Lafranier Road Traverse City, MI 49686				
TERMS	NET 30				
DUUE DATE	3-Mar-22				
ITEM NO.	INVOICE DESCRIPTION				
Operations, maintenance, and management services provided according to the terms of our Amendment No. 3 effective as of January 1, 2021.					
1	Base Fee Labor Direct Costs Emergency Response scope	1 1 1	1 1 1	\$14,798.44 \$3,199.27 \$52.74	\$14,798.44 \$3,199.27 \$52.74
2	Maintenance/Repairs CY17 Repairs Influent Tank Cleaning Post EQ Tank Cleaning Biosolids Disposal Grit Removal	1 1 1 1 1	1 1 1 1 1	\$2,996.39 \$0.00 \$0.00 \$0.00 \$0.00	\$2,996.39 \$0.00 \$0.00 \$0.00 \$0.00
For the month of		January-22		TAX	
SUBTOTAL		\$21,576.84		SPECIAL INSTRUCTIONS	
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		\$21,576.84		TAX	
		\$0.00		SPECIAL INSTRUCTIONS	

Jacobs' Monthly Invoice

Lenzi, Maria/WCH <Maria.Lenzi@jacobs.com>

Thu 2/3/2022 2:18 PM

To: Pubworks_Mailbox <pubworks@gtcountymi.gov>

Cc: Huggard, Mark/TRA <Mark.Huggard@jacobs.com>; John J. Divozzo <jdivozzo@gtcountymi.gov>

1 attachments (22 KB)

438951 GTSFA 438951-17-01 JAN 2022.pdf;

Hello Linda,

Please find attached, our monthly invoice for January 2022.

Included in this invoice:

Repairs:

Expense for Current Month= \$2,996

Total Expense for 2022= \$2,996

Total Budgeted for 2022= \$20,000

Budget Remaining= \$17,004

ABI MECHANICAL CONTRACTORS	Cost for scaffolding rental, setup and disassembly	2,454.77
GRAND TRAVERSE GARAGE DOOR CO	Garage door opener control board replacement	541.62

Feel free to contact Mark Huggard with any questions or concerns.

Thank you,

Maria Lenzi
Administrator
Direct 1 630 234-0649
Fax 1 630 293 3577
Jacobs.

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.



INVOICE

DOCUMENT: Invoice

Sales Inquiries: Shannon Eitner (269) 488-2897/
seitner@sunsorce.com

INVOICE DATE	INVOICE NO.	
01/26/22	5677186-02	
P.O. DATE	P.O. NO.	PAGE #
09/23/21	9607	1

CUST.#: 1230017112

Credit Inquiries: Kavita Chaudhary (630) 317-2839/
ltroutman@sunsorce.com

BILL TO: GRAND TRAVERSE COUNTY DFW
2650 LAFRANIER RD
TRVERSE CITY, MI 49686-8972

REMIT TO: SIS Operating, Inc.
P.O. Box 74007453
Chicago, IL 60674-7453

RECEIVED

JAN 27 2022

SHIP TO: GRAND TRAVERSE COUNTY
SEPTAGE TREATMENT FACILITY
1717 AHLBERG DRIVE
TRVERSE CITY, MI 49686-8972

INSTRUCTIONS: STAGING AREA: <http://www.sun-source.com/Shipping>
R&L collect

SHIP POINT	VIA	SHIPPED	TERMS
SUNSOURCE-FLUID PROCESS EQUIP	Best Way	01/26/22	net 30

**** GO GREEN! Contact creditservices@sunsorce.com for details on emailed/faxed invoices and ACH ****

LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY. SHIPPED	QTY. U/M	NET PRICE	PRICE U/M		EXTENDED AMOUNT

*** ATTN: PLEASE NOTE OUR NEW REMIT TO ADDRESS LISTED ABOVE AND
*** MAKE THE NECESSARY CHANGES TO YOUR RECORDS. THANK YOU

1 API53-8-DS-BFCU	1	0	1	EACH	30570.00	EACH	30570.00
SULZER BACK FULLCUT UNIT							
SULZER API53-8 SS BACK FULLCUT UNIT WITH FULL SIZE IMPELLER							
AND DYNAMIC SEAL							
S/N: 200019049							

1 Lines Total	Qty Shipped Total	1	Total	30570.00
			Frt & Hndl	244.47
			Invoice Total	30814.47

Tracking Information:
R&L: 088063776

Customer Name : GRAND TRAVERSE COUNT
Customer No. : 1230017112
Invoice Date : 01/26/22
Invoice No. : 5677186-02
Invoice Amt. : 30814.47
Amt. Remitted :
Check No. :

Last Page

Thank you for your business. Please visit our website at www.sun-source.com. For on-line ordering visit www.sunsorceconnect.com



INVOICE



CITY OF TRAVERSE CITY
Treasurer's Office
Accounts Receivable

400 BOARDMAN AVENUE
TRAVERSE CITY, MI 49684

TELEPHONE (231) 922-6861
FAX (231) 922-4485

GRAND TRAVERSE COUNTY
DEPARTMENT OF PUBLIC WORKS
2650 LAFRANIER RD
TRAVERSE CITY, MI 49686-8972

Invoice Number: 0000101337
Invoice Date: 11/30/2021

Net: 30

Amount Due: 267,549.15

Return this portion with payment.

ITEM DESCRIPTION	QUANTITY	PRICE	AMOUNT
SEWER CHARGES	1.00	45,270.63	45,270.63
SEWER CHARGES	1.00	39,746.93	39,746.93
SEWER CHARGES	1.00	14,670.01	14,670.01
SEWER CHARGES	1.00	152,525.02	152,525.02
SEWER CHARGES	1.00	3,068.25	3,068.25
SEWER CHARGES	1.00	3,088.42	3,088.42
SEWER CHARGES	1.00	6,375.88	6,375.88
SEWER CHARGES	1.00	2,804.01	2,804.01

NOVEMBER 2021 SEWER CHARGES

APPROVED

JAN 26 2022

By [Signature]

ADJUSTMENT: 0.00

TOTAL: 267,549.15

Make checks payable to City of Traverse City
Please reference invoice number on all correspondence

RETURN TO: City Treasurer P.O. Box 592 Traverse City MI 49685-0592

CITY OF TRAVERSE CITY

Invoice Number: 0000101337



November 2021, Township Sewage Flow Meter Readings

Townships:	Enter Readings:	Adjustments	Invoice to GTC
Acme	11,301,476		11,301,476
Blair	771,000		771,000
East Bay	9,922,524		9,922,524
Elmwood	5,829,000		
Less Morgan Farms M72 Meter		(355,431)	
Less Morgan Farms Carter Road		(747,450)	
Less West Bay Plaza & Elmwood (Deduct Total Gallons)		(1,063,860)	
Elmwood Adjusted Total			3,662,259
Garfield	25,396,000		
Plus 6th St	1,217,700		
Plus Meijer	13,000,000		
Less Blair Township	(771,000)		
Less Septage Treatmt Facility (Invoiced to GT Co)	(765,965)		38,076,735
Grand Traverse County- Plus Septage Treatmt Fac	765,965		765,965
Peninsula	1,365,400		
Plus Hidden Ridge	226,290		
Plus Birchwood Residents	0		
Plus Port of Old Mission	(Estimated) 700,000		2,291,690
Adjusted Grand Total Flow Meter Readings			66,791,649
Plus West Bay Plaza & Elmwood			1,063,860
Less Septage Treatment Fac			(765,965)
Grand Total	(Equals Township Sewage Flow Meter Readings)		67,089,544

November 2021, Township Sewage Flow Meter Readings

(add 3 zeros to the end of the Sum for monthly Flow Report	Plant Flow MGD	130,751,000
Fixed Rate (City Treasurer Provides)	\$523,752.85	
Adjusted Grand Total Flow Meter Readings	66,791,649	
Adjusted Total Flow Meter Readings	66,791,649	
Total Sewage Flow-Plant	130,751,000	= 0.510830885 x \$523,752.85 = 267,549.12

November 2021, Township Sewage Flow Meter Readings

Acme Township						
Revenue I.D. # 590-000-606.06						
Total Sewage Flow Meter Readings	✓ 11,301,476	=	0.086435102 x	\$523,752.85		\$45,270.63
Total Sewage Flow-Plant	130,751,000					
East Bay Township						
Revenue I.D. # 590-000-606.07						
Total Sewage Flow Meter Readings	✓ 9,922,524	=	0.075888704 x	\$523,752.85		39,746.93
Total Sewage Flow-Plant	130,751,000					
Elmwood Township						
Revenue I.D. # 590-000-606.02						
Total Sewage Flow Meter Readings	5,829,000					
Morgan Farms Deduct	(1,102,881)					
West Bay Plaza Deduct	(1,063,860)					
Adjusted Sewage Flow Meter Reading	3,662,259					
Total Adjusted Sewage Flow	✓ 3,662,259	=	0.028009415 x	\$523,752.85		14,670.01
Total Sewage Flow-Plant	130,751,000					
Garfield Township						
Revenue I.D. # 590-000-606.08						
Total Sewage Flow Meter Readings	25,396,000					
6th Street	1,217,700					
Meijers	13,000,000					
Blair Township	(771,000)					
Septage Treatment Facility Deduct	(765,965)					
Adjusted Sewage Flow Meter Reading	38,076,735					
Total Adjusted Sewage Flow	✓ 38,076,735	=	0.291215631 x	\$523,752.85		152,525.02
Total Sewage Flow-Plant	130,751,000					
Septage Treatment Facility						
Revenue I.D. 590-000-606.10						
Total Sewage Flow Meter Readings	✓ 765,965	=	0.005858196 x	\$523,752.85		3,068.25
Total Sewage Flow-Plant	130,751,000					
Blair Township						
Revenue I.D. # 590-000-606.01						
Total Sewage Flow Meter Readings	✓ 771,000	=	0.005896704 x	\$523,752.85		3,088.42
Total Sewage Flow-Plant	130,751,000					
Peninsula Township						
Revenue I.D. # 590-000-606.05						
Total Sewage Flow Meter Readings	1,365,400					
Hidden Ridge	226,290					
Birchwood Residents	0					
Adjusted Sewage Flow Meter Reading	1,591,690					
Total Adjusted Sewage Flow	✓ 1,591,690	=	0.012173444 x	\$523,752.85		6,375.88
Total Sewage Flow-Plant	130,751,000					
Port of Old Mission						
Total Sewage Flow Meter Readings	✓ 700,000	=	0.005353688 x	\$523,752.85		2,804.01
Total Sewage Flow-Plant	130,751,000					
Total Invoice						267,549.15

$$\frac{66791,649}{130,751,000} = .51083088465$$

TOWNSHIP SEWAGE FLOW METER READINGS
Month of November 2021

INVOICE ACME TOWNSHIP	MONTH	CONSUMPTION	TOTAL
	November	11,301,476	11,301,476
INVOICE BLAIR TOWNSHIP	DEDUCT	MONTH	READINGS
		November	188,650,000
		October	187,879,000
			771,000
INVOICE EAST BAY TWP	MONTH	CONSUMPTION	
	November	9,922,524	9,922,524
INVOICE ELMWOOD TWP	DEDUCT	MONTH	READINGS
		November	1,388,501,000
		October	1,382,672,000
			5,829,000
MORGAN FARMS - M72 METER	DEDUCT	MONTH	READINGS
		November	48,796,511
		October	48,441,080
			355,431
MORGAN FARMS - CARTER RD	DEDUCT	MONTH	READINGS
		November	72,417,414
		October	71,669,964
			747,450
Total Elmwood			4,726,119

INVOICE GARFIELD TWP	GARFIELD #1	MONTH	READINGS
		November	1,242,721,000
		October	1,217,325,000
			25,396,000

6TH ST.	MONTH	READINGS
	November	539,286,900
	October	538,069,200
		1,217,700

MEIJERS	MONTH	READINGS
	November	3,090,000,000
	October	3,077,000,000
		13,000,000

INVOICE SEPTAGE TREATMENT FACILITY	DEDUCT	MONTH	READINGS
		November	193,520,048
		October	192,754,083
			765,965

TOTAL GARFIELD (LESS: BLAIR TWP AND SEPTAGE TREATMENT FACILITY) **38,076,735**

PENINSULA TWP.	MONTH	READINGS
	November	55,061,100
	October	53,695,700
		1,365,400
Hidden Ridge	MONTH	READINGS
	November	16,910,860
	October	16,684,570
		226,290
Birchwood Residents - 5 Customers		0
Estimated Port of Old Mission Customers		700,000
		2,291,690

GRAND TOTAL **67,089,544**

		Combined Inf Flow
		MGD
1 Mon		4.458
2 Tue		4.525
3 Wed		4.438
4 Thu		4.529
5 Fri		4.538
6 Sat		4.363
7 Sun		4.322
8 Mon		4.445
9 Tue		4.387
10 Wed		4.456
11 Thu		4.491
12 Fri		4.140
13 Sat		4.488
14 Sun		4.381
Nov	15 Mon	4.514
	16 Tue	4.474
	17 Wed	4.469
	18 Thu	4.485
	19 Fri	4.436
	20 Sat	4.309
	21 Sun	4.268
	22 Mon	4.355
	23 Tue	4.438
	24 Wed	4.366
	25 Thu	3.864
	26 Fri	3.982
	27 Sat	4.008
	28 Sun	4.091
	29 Mon	4.361
	30 Tue	4.280
MINIMUM		3.864
MAXIMUM		4.538
AVERAGE		4.358
SUM		130.751

SEWAGE CONSUMPTION WEST BAY NOVEMBER 2021

Account #	Service Address	Last	First	Usage in CF
309615-118214	10748 East Traverse Hwy House	Klym	Brian	900
431365-118422	13900 S West Bay Shore Dr	Larkin Insurance		400
410905-121532	10649 East Traverse Hwy	Ansorge	Richard	1300
292715-118258	10500 East Traverse Hwy	Phillips	John	3200
529915-31430	10656 East Traverse Hwy	Lachapelle	Gerry	300
499965-31420	10648 East Traverse Hwy	Eberhardt	William	100
522035-31410	10630 East Traverse Hwy	Stone	Christy	100
404225-31400	10612 East Traverse Hwy	Urban	Autumn	0
531935-31450	10676 East Traverse Hwy	Young	Rebecca	200
362955-117632	10684 East Traverse Hwy	Collins	Ben	200
55635-31470	10767 East Traverse Hwy	NW MI Health Service		2600
438255-31530	10923 East Traverse Hwy	Ullman	Michael	5000
424395-116372	13746 S West Bay Shore Dr	Tafelsky	Mary	0
397215-31680	13890 S West Bay Shore Dr	Harringtons West Bay		8600
55865-31650	13896 S West Bay Shore Dr	Holiday Shopper #182		2300
448395-115628	13919 S West Bay Shore Dr	Gateway Condo Assoc		900
419905-119222	13818 S West Bay Shore Dr House	Crest View Condos		1800
479155-120254	13800 S West Bay Shore Dr 1	Sherman	Jennifer	300
339695-120256	13800 S West Bay Shore Dr 2	Merriner	Sherman	400
430975-120258	13800 S West Bay Shore Dr 3	Thomas	Susan	200
437465-120260	13800 S West Bay Shore Dr 4	Mokanyk	Matthew	2800
526535-120432	13800 S West Bay Shore Dr 5	Juntila	Olivia	700
521295-120434	13800 S West Bay Shore Dr 6	Ardern	Susan	300
316175-120436	13800 S West Bay Shore Dr 7	Vanraaphorst	Ronald Guy	0
463045-120438	13800 S West Bay Shore Dr 8	Sickles	Celeste	100
351825-122280	13802 S West Bay Shore Dr 9	Comprehensive Care		100
460385-122282	13802 S West Bay Shore Dr 10	Murray	John	200
486445-122284	13802 S West Bay Shore Dr 11	Goldring	Moti	200
456755-122286	13802 S West Bay Shore Dr 12	Kickham	Magdalena	100
486605-122228	13802 S West Bay Shore Dr 13	Littlefield	Bronwyn	200
459575-122230	13802 S West Bay Shore Dr 14	Sinclair	Timothy	300
487485-122232	13802 S West Bay Shore Dr 15	Anton	Michael	200
455285-122234	13802 S West Bay Shore Dr 16	Donahue	Tara	300
382295-121716	13804 S West Bay Shore Dr, Commun.	Edgewater Lofts Assoc		0
473905-121978	13804 S West Bay Shore Dr 17	Conners	Alison	300
462355-121982	13804 S West Bay Shore Dr 18	Picard	John	0
442615-121980	13804 S West Bay Shore Dr 19	Stowers	Robert	0
492205-121810	13804 S West Bay Shore Dr 20	Peacock	Steven	400
438885-121814	13804 S West Bay Shore Dr 21	Ducharme	Gregg	0
430745-121812	13804 S West Bay Shore Dr 22	Hodges	Pamela	100
174625-96750	13766 S West Bay Shore Dr 101	Mucha	Edwin	100
510575-96770	13766 S West Bay Shore Dr 102	Stefanciw	Michelle	100
251655-96790	13766 S West Bay Shore Dr 103	Hein	David	100
248205-96810	13766 S West Bay Shore Dr 104	Malinowski	Shirley	800

174885-96830	13766 S West Bay Shore Dr 105	Vanrees	Ivan	500
414055-96850	13766 S West Bay Shore Dr 106	Grevenstuk	Gordon	300
434965-96870	13766 S West Bay Shore Dr 107	Petras	Colette	100
493935-96900	13766 S West Bay Shore Dr 108	Meeks	Narda	0
493825-96920	13766 S West Bay Shore Dr 109	Proctor	Paige	200
248875-96740	13766 S West Bay Shore Dr 201	Michigan Property Mgt		0
439495-96760	13766 S West Bay Shore Dr 202	Wittbrodt	Laurie	0
271835-96780	13766 S West Bay Shore Dr 203	Flath	Kenneth	200
530085-96800	13766 S West Bay Shore Dr 204	Schwartz	Jonathan	0
174865-96820	13766 S West Bay Shore Dr 205	Angel	Michael	200
521415-96840	13766 S West Bay Shore Dr 206	Peltz	Robert S	700
215085-96860	13766 S West Bay Shore Dr 207	Bison	Ted	100
415205-96880	13766 S West Bay Shore Dr 208	Houser	Shelley	0
36725-96910	13766 S West Bay Shore Dr 209	Thomas	Jacquie R	300
214105-31640	13916 S West Bay Shore Dr	Rite Aid		100
55835-31630	13920 S West Bay Shore Dr	Gauthiers Shoes		100
426025-120300	13912 S West Bay Shore Dr	DD Cleanage		5900
155405-31540	13940 S West Bay Shore Dr	Toms Food Market		4300
530045-120404	13936 S West Bay Shore Dr	Huntington National Bank		300
465265-122078	10694 East Traverse Hwy	Nathaniel Walton		41400
524495-31490	10769 East Traverse Hwy	Richar Dingess		51900
244795-31710	13999 S West Bay Shore Dr	WLDR		0
Total Cubic Feet				142800
Total Gallons				1063860



Q akrueger@traversecitymi.gov

X

≡

Compose

Inbox

Starred

Snoozed

Sent

Drafts

*IMPORTANT

*STATEMENTS

ABI Mechanical

Ace Hardware

ACH Deposits - Emails ...

ACH TAX

Action Industrial Supply

Actron Steel

Aerzen

Airgas

AIS Construction

Alfie

Alianza

allen supply

Fwd: Jacobs' Monthly Invoice

Jacobs x

Art Krueger

to me

Hi Anton: Please enter the invoice and attachments into BS&A. GL#:590-550-801.000. Choose "not associated v Thanks,

Drafts

Art Krueger, P.E.

City of Traverse City
Director of Municipal Utilities

Mailing Address:

400 Boardman Ave.
Traverse City, MI 49684
Office: 231-922-4900 Ext. 109

----- Forwarded message -----

From: Lenzi, MariaWCH <Maria.Lenzi@jacobs.com>

Date: Tue, Oct 5, 2021 at 3:59 PM

Subject: RE: Jacobs' Monthly Invoice

To: Art Krueger <akrueger@traversecitymi.gov>

Cc: Hart, Elizabeth/TRA <Elizabeth.Hart@jacobs.com>, Huggard, Mark/TRA <Mark.Huggard@jacobs.com>

Art,

Attached, is our monthly invoice for November 2021.

Please note, the invoice is based off our last fully executed amendment, which was effective July 1, 2020. Once the

Recap of Sewer Treatment Plant Costs for November 2021

	Check No.	
CH2M/OMI	229543	\$ 232,763.92
Jacobs Engineering Group	230519	\$ 254,851.07 - Emergency repair screw pump
Windemuller	230572	\$ 1,000.00
Kerr Pump and Supply	230843	\$ 4,668.00) repairs

General Liability/Property Insurance

\$66,757 less dividend \$4558.06

Divided by 12 months-July \$ **5,183.25**

Pollution Insurance-July \$ **346.00**

Sub-total \$ 498,812.24

Sub-total \$ 498,812.24

Add 5% admin. \$ **24,940.61**

Total \$ 523,752.85

Jacobs

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JACOBS ENGINEERING GROUP INC

અનુભૂતિ એવી હોય

Lockbox Number: 18743

1041 East Butler Road
P.O. BOX 5456
Greenville, SC 29607-5456

Lockbox Address: P.O. Box 5018713, St. Louis, MO 63150-8713
Lockbox Address Counter Deliveries ONLY: Express Lockbox 18713, 800 Market Street,
4th Floor, St Louis, MO 63101
Additional Comments: Account Holder Address: 1999 Bryan St; Dallas, TX 75201-3136

BILL TO: ACCOUNTS PAYABLE, 400
BOARDMAN AVE PO BOX 592
TRAVERSE CITY, MI 49685

Invoice					
Remit To:	JACOBS ENGINEERING GROUP INC Lockbox Number: 18713 Lockbox Address: P.O. Box 5018713, St. Louis, MO 63150-8713 Lockbox Address Courier Deliveries ONLY: Express Lockbox 18713, 800 Market Street, 4th Floor, St. Louis, MO 63101 Additional Comments: Account Holder Address: 1999 Bryan St; Dallas, TX 75201-3136				
Bill To:	ACCOUNTS PAYABLE, 400 BOARDMAN AVE PO BOX 592 TRAVERSE CITY, MI 49685				
TERMS	NET 30	TERM	3-Nov-21	DUUE DATE	
INVOICE DESCRIPTION					
ITEM NO.	QTY	CREDIT	RATE	TAX	UNIT PRICE
1	1				\$232,763.92
Operations, maintenance, and management services provided according to the terms of Amendment No. 8 effective July 1, 2020 to our original Agreement dated July 1, 2012. For the month of Nov-21					\$232,763.92
SUBTOTAL					\$232,763.92
TAX					\$0.00
SHIPPING/HANDLING					\$0.00
TOTAL DUE					\$0.00
SPECIAL INSTRUCTIONS					
CURRENCY: USD					

Jacobs

1041 East Butler Road
Greenville, SC 29607
884.676.5019

INVOICE
JACOBS ENGINEERING GROUP INC
Lockbox Number: 18713
Lockbox Address: P.O. Box 3016743, St. Louis, MO 63150-4713
4th Floor, St Louis, MO 63101
Additional Comments: Account Holder Address: 1990 Bryan St. Dallas, TX 75201-3138

BILL TO: ACCOUNTS PAYABLE
400 BOARDMAN AVE
PO BOX 692
TRVERSE CITY, MI 49685

ROUTING/TRANSMIT FOR WIVES: 026009933
ROUTING/TRANSMIT FOR WIVES: 026009933
SWIFT: BOFAUSIN

Invoice Number:	439201-30-C12
Date:	16-Oct-20
Page:	1 of 1
PURCHASE ORDER NUMBER:	
CUSTOMER NUMBER:	
TAX ID:	
ROUTE/SHIPMENT NUMBER:	
ACCOUNT NAME:	JACOBS ENGINEERING GROUP INC
ACCOUNT NUMBER:	3750916930
ROUTING/TRANSMIT FOR ACH DEBIT & CREDIT:	111000012
ROUTING/TRANSMIT FOR WIVES:	026009933
SWIFT:	BOFAUSIN

TERMS	DUUE DATE	INVOICE DESCRIPTION	AMOUNT	DISCOUNT	NET AMOUNT	TAX	TOTAL	SPECIAL INSTRUCTIONS
NET 30	14-Nov-20							
		1 Operations, maintenance, and management services provided according to the terms of Amendment No. 7 dated July 1, 2019 to our original Agreement dated July 1, 2012.						
		Rebate/Invoice Calculation: The Emergency repair of Screw Pump Number One	\$ 254,851.07	100%	\$254,851.07	\$254,851.07	\$254,851.07	



Art Krueger <akrueger@traversecitymi.gov>

Screw Pump Number One - Emergency Repair

1 message

Sarah Lutz <lutzs@traversecitymi.gov>

Fri, Jul 9, 2021 at 8:50 AM

To: Art Krueger <akrueger@traversecitymi.gov>, Kelli Martin <kmartin@traversecitymi.gov>, Lauren Trible-Laucht

<ltlaucht@traversecitymi.gov>

Cc: Benjamin Marentette <bmarente@traversecitymi.gov>

Hello,

As you know, at the July 6, 2021 meeting the City Commission authorized payment for the repair of a screw pump drive shaft & related costs, also authorized necessary documents to memorialize the payment. Below is the motion passed.

" that the City Commission authorizes payment to Jacobs in an amount not-to exceed \$254,851.07 for the emergency repair of Screw Pump Number One, with funds available in the Sewer fund, and to be shared with the Township partners per the Master Sewer Agreement; and further that the Mayor and City Clerk execute any necessary documents to memorialize the payment, with such documents subject to approval as to their substance by the City Manager and their form by the City Attorney."

Lauren, please prepare any necessary documents to memorialize the payment, please circulate for signatures and make sure to copy me so our office can review prior to the City Clerk signing.

Please proceed accordingly and let me know if you have any questions.

Thank you,

Sarah Lutz

Deputy City Clerk | City of Traverse City

First Floor | Governmental Center

400 Boardman Ave. | Traverse City, MI 49684

lutzs@traversecitymi.gov | www.traversecitymi.gov/city-clerk

O: 231.922.4480 | F: 231.922.4485

 Think Green! Please don't print this e-mail or attachments unless absolutely necessary



Accounts Payable <ap@traversecitymi.gov>

Fwd: Screw pump repair invoice

1 message

Art Krueger <akrueger@traversecitymi.gov>
To: ap@traversecitymi.gov

Fri, Oct 22, 2021 at 4:00 PM

Please enter the attached invoice into BS&A under GL 590-550-801.000. The approval by the City Commission motion is also attached as a backup for this invoice and should also be entered into BS&A.
Thanks,

Art Krueger, P.E.
City of Traverse City
Director of Municipal Utilities

Mailing Address:
400 Boardman Ave.
Traverse City, MI 49684
Office: 231-922-4900 Ext. 109

----- Forwarded message -----

From: Huggard, Mark/TRA <Mark.Huggard@jacobs.com>
Date: Fri, Oct 15, 2021 at 1:23 PM
Subject: Screw pump repair invoice
To: Art Krueger <akrueger@traversecitymi.gov>
Cc: Hart, Elizabeth/TRA <Elizabeth.Hart@jacobs.com>, Dahl, Kevin/NOR <Kevin.Dahl@jacobs.com>, Lenzi, Nicholas/WCH <Nicholas.Lenzi@jacobs.com>

Hi Art,

Attached is the emergency screw pump repair invoice.

Let me know if you have any questions.

Have a great weekend!

Mark Huggard
Jacobs
Assistant Project Manager
231-922-4922 office
231-313-5592 mobile
Mark.Huggard@jacobs.com
www.jacobs.com

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2 attachments

 INV 439201-30-CL2 - Screw pump repair.pdf
205K

 7-9-21_Email-CC Approval Screw Pump Number One-Emergency Repair Settlement.pdf
145K

Application and Certificate For Payment -- page 2

To Owner: Jacobs
 From (Contractor): WINDEMULLER ELECTRIC, INC.
 Project: WWTP Primary Gear

Application No: 6 Date: 10/25/21
 Contractor's Job Number: 22021-0001
 Architect's Project No:

Item Number	Description	Scheduled Value	Work Completed		Materials Presently Stored	Completed and Stored to Date	% Presently Stored	Balance to Finish	Retention	Memo
			Previous Application	This Period						
005	TEMPORARY POWER	500.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00	0.00
010	DEMOLITION	2,000.00	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00	0.00
015	CONDUIT, BX, FITTING - LABOR	500.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00	0.00
020	CONDUIT, BX, FITTING - MTL'S	500.00	0.00	500.00	0.00	500.00	100.00	0.00	0.00	0.00
025	WIRE AND CABLE - LABOR	500.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00	0.00
030	WIRE AND CABLE - MTL'S	500.00	0.00	500.00	0.00	500.00	100.00	0.00	0.00	0.00
035	DISTRIBUTION - LABOR	10,265.00	0.00	0.00	0.00	0.00	0.00	10,265.00	0.00	0.00
040	DISTRIBUTION - MTL'S	51,000.00	51,000.00	0.00	0.00	51,000.00	100.00	0.00	0.00	0.00
045	GENERAL CONDITIONS	2,000.00	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00	0.00
Application Total		67,765.00	51,000.00	1,000.00	0.00	52,000.00	76.74	15,765.00	0.00	

Application and Certificate For Payment

To Owner:	City of Traverse City
From (Contractor):	WINDMULLER ELECTRIC, INC. 1176 ELECTRIC AVENUE WAYLAND, MI 49348
Phone:	616 877-8770

Contractor's Application For Payment

Change Order Summary		Additions	Deductions
Change orders approved in previous months by owner			
	Date Approved		
Change orders approved this month	Number		
Totals			
Net change by change orders			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information, and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Contractor:

 By: _____ Date: 10-25-2021
 State of: Michigan County of: Kent, acting in Grand Traverse
 Subscribed and sworn to before me this 25 day of October
 2021 (year). Notary public: Douglas Brumley
 My commission expires 9-18-2023.

Architect's Certificate for Payment

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the Amount Certified.

Amount Certified: \$ _____

Project:	PO# 009297 WWTP Switchgear Repair & AS Blower Fuses	Application No.: 6 Date: 10/25/2021
Contractor Job Number:	22021-0001	Period To: 10/25/21
Via (Architect):		Architect's Project No.:
Contract For:		Contract Date: 02/10/20

Original contract sum	67,765.00
Net change by change orders	0.00
Contract sum to date	67,765.00
Total completed and stored to date	52,000.00
Retainage	0.0% of completed work
	0.0% of stored material
Total retainage	0.00
Total earned less retainage	52,000.00
Less previous certificates of payment	51,000.00
0.000% of taxable amount	0.00
Current sales tax	0.00
Current payment due	1,000.00
Balance to finish, including retainage	15,765.00

Architect: _____
 By: _____ Date: _____
 This Certification is not negotiable. The Amount Certified is payable only to the Contractor named herein. Issuance, payment, and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.



WINDEMULLER

1176 Electric Avenue | Wayland, MI 49348

P: 616.877.8770 | F: 616.877.8700

windemuller.us

Invoice 215269

Bill to: City of Traverse City 400 Boardman Traverse City, MI 49684	Job: 22021-0001 WWTP Primary Gear 625 Woodemere Ave Traverse City, MI 49684
--	--

Invoice #: 215269	Date: 10/25/21	Customer P.O. #: 00927
Payment Terms: 10 Days From Receipt		Customer Code: CH2MHI

Remarks: FROM DRAW REQUEST BILLING ENTRY

Quantity	Description	U/M	Unit Price	Extension
	FROM DRAW REQUEST BILLING NO. 6			1,000.00
			Subtotal:	1,000.00
			Total:	1,000.00

To pay by Visa, Mastercard, or American Express call (616) 877-8770 or (231) 935-4800.
PAST DUE BALANCES SUBJECT TO 1.5% FINANCE CHARGE PER MONTH.

Page: 1



Invoice Date
10/29/2021

PO Number
009936

Invoice Number
INV210319

Bill To:

TRVERSE CITY DPW
CITY TREASURER
400 BOARDMAN AVE
TRVERSE CITY, MI49684
UNITED STATES

Ship To:

CITY OF TRVERSE CITY
ATTN: DEPARTMENT OF PUBLIC SERVICES
625 WOODMERE AVE
TRVERSE CITY, MI49686
UNITED STATES

PO Number	Ship Method	Salesperson	Exp Ship	Pay Terms	Customer No.	
009936	SERVICE	79	09/01/2021	N30	TRAVE005	
Item	Description	Quantity	R/O	U of M	Unit Price	Extended Price
SERVICE- CONTROL PANEL	SERVICE - CONTROL PANEL UPDATE SYSTEM: OVERLOADS, CIRCUIT BREAKERS, SEAL FAILS.	1	0	EA	\$4,668.00	\$4,668.00
Subtotal						\$4,668.00
Trade Disc						\$0.00
Freight						\$0.00
Misc						\$0.00
Tax						\$0.00
Total						\$4,668.00

All quotations and contracts are subject to Kerr Pump and Supply, Inc. Terms and Conditions of Sale dated 1/1/2018, a copy of which can be found on our website kerrpump.com. Placing an order is acceptance of these terms. Shipment time is an approximation based on current inventory and factory production schedules. Quotation is valid for 30 days from Quote date.

Remit To: KERR PUMP AND SUPPLY, INC Drawer 64185 Detroit, MI 48264

TEL: 248-543-3880 FAX: 248-543-3236



INVOICE



CITY OF TRAVERSE CITY
Treasurer's Office
Accounts Receivable

400 BOARDMAN AVENUE
TRAVERSE CITY, MI 49684

TELEPHONE (231) 922-6861
FAX (231) 922-4485

GRAND TRAVERSE COUNTY
DEPARTMENT OF PUBLIC WORKS
2650 LAFRANIER RD
TRAVERSE CITY, MI 49686-8972

Invoice Number: 0000101338
Invoice Date: 12/31/2021
Net: 30

Return this portion with payment.

Amount Due: 108,064.80

ITEM DESCRIPTION	QUANTITY	PRICE	AMOUNT
SEWER CHARGES	1.00	17,837.55	17,837.55
SEWER CHARGES	1.00	15,423.53	15,423.53
SEWER CHARGES	1.00	6,226.93	6,226.93
SEWER CHARGES	1.00	62,356.92	62,356.92
SEWER CHARGES	1.00	1,066.53	1,066.53
SEWER CHARGES	1.00	1,231.20	1,231.20
SEWER CHARGES	1.00	2,616.32	2,616.32
SEWER CHARGES	1.00	1,305.82	1,305.82

DECEMBER 2021 SEWER CHARGES

APPROVED

JAN 15 2022

By [Signature]

ADJUSTMENT: 0.00
TOTAL: 108,064.80

Make checks payable to City of Traverse City
Please reference invoice number on all correspondence

RETURN TO: City Treasurer P.O. Box 592 Traverse City MI 49685-0592

CITY OF TRAVERSE CITY

Invoice Number: 0000101338



December 2021, Township Sewage Flow Meter Readings

Townships:	Enter Readings:	Adjustments	Invoice to GTC
Acme	9,562,031		9,562,031
Blair	660,000		660,000
East Bay	8,267,969		8,267,969
Elmwood	5,379,000		
Less Morgan Farms M72 Meter		(201,718)	
Less Morgan Farms Carter Road		(648,008)	
Less West Bay Plaza & Elmwood (Deduct Total Gallons)		(1,191,255)	
Elmwood Adjusted Total			3,338,019
Garfield	22,536,000		
Plus 6th St		1,122,900	
Plus Meijer		11,000,000	
Less Blair Township		(660,000)	
Less Septage Treatmt Facility (Invoiced to GT Co)		(571,727)	33,427,173
Grand Traverse County- Plus Septage Treatmt Fac	571,727		571,727
Peninsula	1,205,600		
Plus Hidden Ridge		196,910	
Plus Birchwood Residents		0	
Plus Port of Old Mission	(Estimated)	700,000	2,102,510
Adjusted Grand Total Flow Meter Readings			57,929,429
Plus West Bay Plaza & Elmwood			1,191,255
Less Septage Treatment Fac			(571,727)
Grand Total	(Equals Township Sewage Flow Meter Readings)		58,548,957

December 2021, Township Sewage Flow Meter Readings

(add 3 zeros to the end of the Sum for monthly Flow Report)	Plant Flow MGD	136,570,000
Fixed Rate (City Treasurer Provides)	\$254,765.32	
Adjusted Grand Total Flow Meter Readings	57,929,429	
Adjusted Total Flow Meter Readings	57,929,429	
Total Sewage Flow-Plant	136,570,000	= 0.424173896 x \$254,765.32 = 108,064.79

December 2021, Township Sewage Flow Meter Readings

Acme Township					
Revenue I.D. # 590-000-606.06					
Total Sewage Flow Meter Readings	✓ 9,562,031	=	0.070015604 x	\$254,765.32	\$17,837.55
Total Sewage Flow-Plant	136,570,000				
East Bay Township					
Revenue I.D. # 590-000-606.07					
Total Sewage Flow Meter Readings	✓ 8,267,969	=	0.060540155 x	\$254,765.32	15,423.53
Total Sewage Flow-Plant	136,570,000				
Elmwood Township					
Revenue I.D. # 590-000-606.02					
Total Sewage Flow Meter Readings	5,379,000				
Morgan Farms Deduct	(849,726)				
West Bay Plaza Deduct	(1,191,255)				
Adjusted Sewage Flow Meter Reading	3,338,019				
Total Adjusted Sewage Flow	✓ 3,338,019	=	0.024441817 x	\$254,765.32	6,226.93
Total Sewage Flow-Plant	136,570,000				
Garfield Township					
Revenue I.D. # 590-000-606.08					
Total Sewage Flow Meter Readings	22,536,000				
6th Street	1,122,900				
Meijers	11,000,000				
Blair Township	(660,000)				
Septage Treatment Facility Deduct	(571,727)				
Adjusted Sewage Flow Meter Reading	33,427,173				
Total Adjusted Sewage Flow	✓ 33,427,173	=	0.244762195 x	\$254,765.32	62,356.92
Total Sewage Flow-Plant	136,570,000				
Septage Treatment Facility					
Revenue I.D. 590-000-606.10					
Total Sewage Flow Meter Readings	✓ 571,727	=	0.004186329 x	\$254,765.32	1,066.53
Total Sewage Flow-Plant	136,570,000				
Blair Township					
Revenue I.D. #590-000-606.01					
Total Sewage Flow Meter Readings	✓ 660,000	=	0.004832687 x	\$254,765.32	1,231.20
Total Sewage Flow-Plant	136,570,000				
Peninsula Township					
Revenue I.D. # 590-000-606.05					
Total Sewage Flow Meter Readings	1,205,600				
Hidden Ridge	196,910				
Birchwood Residents	0				
Adjusted Sewage Flow Meter Reading	1,402,510				
Total Adjusted Sewage Flow	✓ 1,402,510	=	0.010269532 x	\$254,765.32	2,616.32
Total Sewage Flow-Plant	136,570,000				
Port of Old Mission					
Total Sewage Flow Meter Readings	✓ 700,000	=	0.005125577 x	\$254,765.32	1,305.82
Total Sewage Flow-Plant	136,570,000				
Total Invoice					108,064.80

$$\frac{57,929,429}{136,570,000} = .42417389617$$

TOWNSHIP SEWAGE FLOW METER READINGS
Month of December 2021

INVOICE ACME TOWNSHIP	DEDUCT	MONTH	CONSUMPTION	TOTAL
		December	9,562,031	9,562,031
INVOICE BLAIR TOWNSHIP	DEDUCT	MONTH	READINGS	
		December	189,310,000	
		November	188,650,000	660,000
INVOICE EAST BAY TWP		MONTH	CONSUMPTION	
		December	8,267,969	8,267,969
INVOICE ELMWOOD TWP	DEDUCT	MONTH	READINGS	
		December	1,393,880,000	
		November	1,388,501,000	
			5,379,000	
MORGAN FARMS - M72 METER	DEDUCT	MONTH	READINGS	
		December	48,998,229	
		November	48,796,511	
			201,718	
MORGAN FARMS - CARTER RD	DEDUCT	MONTH	READINGS	
		December	73,065,422	
		November	72,417,414	
			648,008	

Total Elmwood 4,529,274

INVOICE GARFIELD TWP	GARFIELD M	MONTH	READINGS
		December	1,265,257,000
		November	1,242,721,000
			22,536,000

6TH ST.	MONTH	READINGS
	December	540,409,800
	November	539,286,900
		1,122,900

MELJERS	MONTH	READINGS
	December	3,101,000,000
	November	3,090,000,000
		11,000,000

INVOICE SEPTAGE TREATMENT FACILITY	DEDUCT	MONTH	READINGS
		December	194,091,775
		November	193,520,048
			571,727

TOTAL GARFIELD (LESS: BLAIR TWP AND SEPTAGE TREATMENT FACILITY) 33,427,173

PENINSULA TWP.	MONTH	READINGS
	December	56,266,700
	November	55,061,100
		1,205,600

Hidden Ridge	MONTH	READINGS
	December	17,107,770
	November	16,910,860
		196,910

Birchwood Residents - 5 Customers	0
--	---

Estimated Part of Old Mission Customers	700,000	2,102,510
--	---------	-----------

GRAND TOTAL **58,548,957**

Daily Com	Influent	
	1103	
	Combined Inf Flow	
	MGD	
1 Wed		4.28
2 Thu		4.34
3 Fri		4.28
4 Sat		4.18
5 Sun		4.00
6 Mon		4.23
7 Tue		4.22
8 Wed		4.28
9 Thu		4.30
10 Fri		4.29
11 Sat		4.66
12 Sun		4.63
13 Mon		4.65
14 Tue		4.67
15 Wed		4.70
16 Thu		4.79
17 Fri		4.69
18 Sat		4.45
19 Sun		4.48
20 Mon		4.64
21 Tue		4.51
22 Wed		4.56
23 Thu		4.44
24 Fri		4.13
25 Sat		3.71
26 Sun		4.11
27 Mon		4.35
28 Tue		4.50
29 Wed		4.54
30 Thu		4.56
31 Fri		4.41
MINIMUM		3.711
MAXIMUM		4.788
AVERAGE		4.405
SUM		136.570

SEWAGE CONSUMPTION WEST BAY DECEMBER 2021

Account #	Service Address	Last	First	Usage in CF
309615-118214	10748 East Traverse Hwy House	Klym	Brian	600
431365-118422	13900 S West Bay Shore Dr	Larkin Insurance		400
410905-121532	10649 East Traverse Hwy	Ansorge	Richard	1500
292715-118258	10500 East Traverse Hwy	Phillips	John	3800
529915-31430	10656 East Traverse Hwy	Lachapelle	Gerry	300
499965-31420	10648 East Traverse Hwy	Eberhardt	William	100
522035-31410	10630 East Traverse Hwy	Stone	Christy	200
404225-31400	10612 East Traverse Hwy	Urban	Autumn	100
531935-31450	10676 East Traverse Hwy	Young	Rebecca	100
362955-117632	10684 East Traverse Hwy	Collins	Ben	0
55635-31470	10767 East Traverse Hwy	NW MI Health Service		2200
438255-31530	10923 East Traverse Hwy	Ullman	Michael	5800
424395-116372	13746 S West Bay Shore Dr	Tafelsky	Mary	0
397215-31680	13890 S West Bay Shore Dr	Harringtons West Bay		10700
55865-31650	13896 S West Bay Shore Dr	Holiday Shopper #182		2200
448395-115628	13919 S West Bay Shore Dr	Gateway Condo Assoc		900
419905-119222	13818 S West Bay Shore Dr House	Crest View Condos		900
479155-120254	13800 S West Bay Shore Dr 1	Sherman	Jennifer	500
339695-120256	13800 S West Bay Shore Dr 2	Merriner	Sherman	400
430975-120258	13800 S West Bay Shore Dr 3	Thomas	Susan	0
437465-120260	13800 S West Bay Shore Dr 4	Mokanyk	Matthew	2800
526535-120432	13800 S West Bay Shore Dr 5	Juntila	Olivia	600
521295-120434	13800 S West Bay Shore Dr 6	Ardern	Susan	300
316175-120436	13800 S West Bay Shore Dr 7	Vanraaphorst	Ronald Guy	0
463045-120438	13800 S West Bay Shore Dr 8	Sickles	Celeste	0
351825-122280	13802 S West Bay Shore Dr 9	Comprehensive Care		100
460385-122282	13802 S West Bay Shore Dr 10	Murray	John	200
486445-122284	13802 S West Bay Shore Dr 11	Goldring	Moti	200
456755-122286	13802 S West Bay Shore Dr 12	Kickham	Magdalena	0
486605-122228	13802 S West Bay Shore Dr 13	Littlefield	Bronwyn	200
459575-122230	13802 S West Bay Shore Dr 14	Sinclair	Timothy	200
487485-122232	13802 S West Bay Shore Dr 15	Anton	Michael	0
455285-122234	13802 S West Bay Shore Dr 16	Donahue	Tara	300
382295-121716	13804 S West Bay Shore Dr, Commun.	Edgewater Lofts Assoc		0
473905-121978	13804 S West Bay Shore Dr 17	Conners	Alison	0
462355-121982	13804 S West Bay Shore Dr 18	Picard	John	100
442615-121980	13804 S West Bay Shore Dr 19	Stowers	Robert	100
492205-121810	13804 S West Bay Shore Dr 20	Peacock	Steven	300
438885-121814	13804 S West Bay Shore Dr 21	Ducharme	Gregg	0
430745-121812	13804 S West Bay Shore Dr 22	Hodges	Pamela	0
174625-96750	13766 S West Bay Shore Dr 101	Mucha	Edwin	200
510575-96770	13766 S West Bay Shore Dr 102	Stefanciw	Michelle	200
251655-96790	13766 S West Bay Shore Dr 103	Hein	David	300
248205-96810	13766 S West Bay Shore Dr 104	Malinowski	Shirley	900

174885-96830	13766 S West Bay Shore Dr 105	Vanrees	Ivan	400
414055-96850	13766 S West Bay Shore Dr 106	Grevenstuk	Gordon	300
434965-96870	13766 S West Bay Shore Dr 107	Petas	Colette	200
493935-96900	13766 S West Bay Shore Dr 108	Meeks	Narda	0
493825-96920	13766 S West Bay Shore Dr 109	Proctor	Paige	100
248875-96740	13766 S West Bay Shore Dr 201	Michigan Property Mgt		100
439495-96760	13766 S West Bay Shore Dr 202	Wittbrodt	Laurie	0
271835-96780	13766 S West Bay Shore Dr 203	Flath	Kenneth	100
530085-96800	13766 S West Bay Shore Dr 204	Schwartz	Jonathan	100
174865-96820	13766 S West Bay Shore Dr 205	Angel	Michael	100
521415-96840	13766 S West Bay Shore Dr 206	Peltz	Robert S	900
215085-96860	13766 S West Bay Shore Dr 207	Bison	Ted	0
415205-96880	13766 S West Bay Shore Dr 208	Houser	Shelley	0
36725-96910	13766 S West Bay Shore Dr 209	Thomas	Jacquie R	200
214105-31640	13916 S West Bay Shore Dr	Rite Aid		200
55835-31630	13920 S West Bay Shore Dr	Gauthiers Shoes		200
426025-120300	13912 S West Bay Shore Dr	DD Cleanage		4100
155405-31540	13940 S West Bay Shore Dr	Toms Food Market		4400
530045-120404	13936 S West Bay Shore Dr	Huntington National Bank		600
465265-122078	10694 East Traverse Hwy	Nathaniel Walton		48600
524495-31490	10769 East Traverse Hwy	Richar Dingess		61600
244795-31710	13999 S West Bay Shore Dr	WLDR		0
Total Cubic Feet				159900
Total Gallons				1191255

Recap of Sewer Treatment Plant Costs for December 2021

	Check No.		
CH2M/OMI	Still in AP	\$	232,763.92
Hubbell, Roth & Clark	230962	\$	1,840.47 CIP
Windemuller	231280	\$	2,500.00 O + m

General Liability/Property Insurance

\$66,757 less dividend \$4558.06

Divided by 12 months-July \$ **5,183.25**

Pollution Insurance-July \$ 346.00

Sub-total \$ 242,633.64

Sub-total \$ 242,633.64

Add 5% admin. \$ 12,131.68

Total \$ 254,765.32

Total \$ 254,765.32

Jacobs

Invoice						
NUMBER	439201-32-06					
DATE	02-Nov-21					
PAGE	1 of 1					
PURCHASE ORDER NUMBER						
OUR REFERENCE	TOWWT					
CUSTOMER NUMBER	439201-32					
CUSTOMER NUMBER	33582					
Remit To:						
JACOBS ENGINEERING GROUP INC						
Lockbox Number: 18713						
Lockbox Address: P.O. Box 5048713, St. Louis, MO 63150-8713						
Lockbox Address: Courier Deliveries ONLY: Express Lockbox 18713, 800 Market Street,						
4th Floor, St. Louis, MO 63101						
Additional Comments: Account Holder Address: 1999 Bryan St; Dallas, TX 75201-3136						
BILL TO:						
1041 East Butler Road						
P.O. BOX 5456						
Greenville, SC 29607-5456						
With Information:						
Account Name: JACOBS ENGINEERING GROUP INC						
Account Number: 3750916030						
Routing/Transit for ACH Debits & Credits: 110000012						
Routing/Transit for Wires: 026009593						
SWIFT: BOFAUS2N						
TERMS						
NET 30	2-Dec-21					
INVOICE DESCRIPTION						
ITEM NO.	QTY	CREDIT	RATE	TAX	UNIT PRICE	EXTENDED AMOUNT
1	1		1		\$232,763.92	\$232,763.92
Operations, maintenance, and management services provided according to the terms of Amendment No. 8 effective July 1, 2020 to our original Agreement dated July 1, 2012.						
For the month of <input type="text" value="Dec-21"/>						
						SPECIAL INSTRUCTIONS
						SHIPPING HANDLING
						TOTAL DUE
						\$0.00
						CURRENCY: USD
						\$232,763.92



HUBBELL, ROTH & CLARK, INC.
CONSULTING ENGINEERS
PO BOX 824
BLOOMFIELD HILLS, MICHIGAN 48303-0824
(248) 454-6300

November 19, 2021

OK, AJK 11/24/21
Project No: 20200501.25
Invoice No: 0192341

CITY OF TRAVERSE CITY
400 BOARDMAN AVENUE
TRAVERSE CITY, MI 49684-2542

ATTN: ART KRUEGER

SANITARY SEWER ISSUES
2021 SUPPORT

Professional Services for period ending October 30, 2021

Professional Personnel

Apply Amounts as follows:

PO# 9106	\$ 1,840.47
PO# 9000	\$ 3,343.39
PO# 8734	<u>\$ 156.05</u>
	<u>\$ 5,339.91</u>

	Hours	Rate	Amount
URQUHART, DOUGLAS	10/16/2021	123.90	2,292.15
URQUHART, DOUGLAS	10/30/2021	126.99	3,047.76
Totals		42.50	5,339.91
Total Labor			<u>5,339.91</u>
			Total Due this Invoice
			<u>\$ 5,339.91 ✓</u>

Billings to Date

	Current	Prior	Total
Labor	5,339.91	0.00	5,339.91
Totals	5,339.91	0.00	5,339.91



WINDEMULLER

1176 Electric Avenue | Wayland, MI 49348

P: 616.877.8770 | F: 616.877.8700

windemuller.us

Invoice 215971

Bill to: City of Traverse City 400 Boardman Traverse City, MI 49684	Job: 22021-0001 WWTP Primary Gear 625 Woodemere Ave Traverse City, MI 49684
--	--

Invoice #: 215971	Date: 11/23/21	Customer P.O. #: 00927
Payment Terms: 10 Days From Receipt		Customer Code: CH2MHI

Remarks: FROM DRAW REQUEST BILLING ENTRY

Quantity	Description	U M	Unit Price	Extension
	FROM DRAW REQUEST BILLING NO. 7			2,500.00
			Subtotal:	2,500.00
			Total:	2,500.00

To pay by Visa, Mastercard, or American Express call (616) 877-8770 or (231) 935-4800.
PAST DUE BALANCES SUBJECT TO 1.5% FINANCE CHARGE PER MONTH.

Page: 1

Application and Certificate For Payment

Page 1

To Owner:	City of Traverse City	Project:	PO# 009297 WWTP Switchgear Repair & AS Blower Fuses	Application No:	7	Date:	11/23/2021
From (Contractor):	WINDMULLER ELECTRIC, INC. 1176 ELECTRIC AVENUE WAYLAND, MI 49348	Contractor Job Number:	22021-0001	Period To:	11/23/21		
Phone:	616 877-8770	Via (Architect):		Architect's Project No:			
		Contract For:		Contract Date:	02/10/20		

Contractor's Application For Payment

Change Order Summary		Additions	Deductions
Change orders approved in previous months by owner			
		Date	Approved
Change orders approved this month			
Totals			

Net change by change orders	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information, and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Contractor: Kyle Kent Date: 11-23-2021
 By: _____ County of: Kent, acting in Grand Traverse
 State of: Michigan Subscribed and sworn to before me this 23 day of November
 2021 (year). Notary public: Alonzo L. Yunkos
 My commission expires 9-18-2023

Architect's Certificate for Payment

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the Amount Certified.

Amount Certified: \$ _____

Architect:

By: _____

Date: _____

This Certification is not negotiable. The Amount Certified is payable only to the Contractor named herein. Issuance, payment, and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

Application and Certificate For Payment -- page 2

To Owner: Jacobs
 From (Contractor): WINDEMULLER ELECTRIC, INC.
 Project: WWTP Primary Gear

Application No: 7 Date: 11/23/21
 Contractor's Job Number: 22021-0001
 Architect's Project No:

Item Number	Description	Scheduled Value	Work Completed		Materials Presently Stored	Completed and Stored to Date	% Complete	Balance to Finish	Retention	Memo
			Previous Application	This Period						
005	TEMPORARY POWER	500.00	0.00	500.00	0.00	500.00	100.00	0.00	0.00	0.00
010	DEMOLITION	2,000.00	0.00	1,000.00	0.00	1,000.00	50.00	1,000.00	0.00	0.00
015	CONDUIT, BX, FITTING - LABOR	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00
020	CONDUIT, BX, FITTING - MTL'S	500.00	500.00	0.00	0.00	500.00	100.00	0.00	0.00	0.00
025	WIRE AND CABLE - LABOR	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00
030	WIRE AND CABLE - MTL'S	500.00	500.00	0.00	0.00	500.00	100.00	0.00	0.00	0.00
035	DISTRIBUTION - LABOR	10,265.00	0.00	0.00	0.00	0.00	0.00	10,265.00	0.00	0.00
040	DISTRIBUTION - MTL'S	51,000.00	51,000.00	0.00	0.00	51,000.00	100.00	0.00	0.00	0.00
045	GENERAL CONDITIONS	2,000.00	0.00	1,000.00	0.00	1,000.00	50.00	1,000.00	0.00	0.00
Application Total		67,765.00	52,000.00	2,500.00	0.00	54,500.00	80.42	13,265.00	0.00	

TOWNSHIP SEWAGE FLOW METER READINGS
Month of December 2021

INVOICE ACME TOWNSHIP	DEDUCT	MONTH	CONSUMPTION	TOTAL
		December	9,562,031	9,562,031
INVOICE BLAIR TOWNSHIP	DEDUCT	MONTH	READINGS	
		December	189,310,000	
		November	188,650,000	660,000
INVOICE EAST BAY TWP	DEDUCT	MONTH	CONSUMPTION	
		December	8,267,969	8,267,969
INVOICE ELMWOOD TWP	DEDUCT	MONTH	READINGS	
		December	1,393,880,000	
		November	1,388,501,000	
			5,379,000	
MORGAN FARMS - M72 METER	DEDUCT	MONTH	READINGS	
		December	48,998,229	
		November	48,796,511	
			201,718	
MORGAN FARMS - CARTER RD	DEDUCT	MONTH	READINGS	
		December	73,065,422	
		November	72,417,414	
			648,008	
Total Elmwood				4,529,274

INVOICE GARFIELD TWP.	GARFIELD MI	MONTH	READINGS
		December	1,265,257,000
		November	1,242,721,000
			22,536,000

6TH ST.	MONTH	READINGS
	December	540,409,800
	November	539,286,900
		1,122,900

MELIERS	MONTH	READINGS
	December	3,101,000,000
	November	3,090,000,000
		11,000,000

INVOICE SEPTAGE TREATMENT FACILITY	DEDUCT	MONTH	READINGS
		December	194,091,775
		November	193,520,048
			571,727

TOTAL GARFIELD (LESS: BLAIR TWP AND SEPTAGE TREATMENT FACILITY) 33,427,173

PENINSULA TWP.	MONTH	READINGS
	December	56,266,700
	November	55,061,100
		1,205,600

Hidden Ridge	MONTH	READINGS
	December	17,107,770
	November	16,910,860
		196,910

Birchwood Residents - 5 Customers	MONTH	READINGS
		0

Estimated Port of Old Mission Customers	MONTH	READINGS
		700,000 2,102,510

GRAND TOTAL 58,548,957

SEWAGE CONSUMPTION WEST BAY DECEMBER 2021

Account #	Service Address	Last	First	Usage in CF
309615-118214	10748 East Traverse Hwy House	Klym	Brian	600
431365-118422	13900 S West Bay Shore Dr	Larkin Insurance		400
410905-121532	10649 East Traverse Hwy	Ansorge	Richard	1500
292715-118258	10500 East Traverse Hwy	Phillips	John	3800
529915-31430	10656 East Traverse Hwy	Lachapelle	Gerry	300
499965-31420	10648 East Traverse Hwy	Eberhardt	William	100
522035-31410	10630 East Traverse Hwy	Stone	Christy	200
404225-31400	10612 East Traverse Hwy	Urban	Autumn	100
531935-31450	10676 East Traverse Hwy	Young	Rebecca	100
362955-117632	10684 East Traverse Hwy	Collins	Ben	0
55635-31470	10767 East Traverse Hwy	NW MI Health Service		2200
438255-31530	10923 East Traverse Hwy	Ullman	Michael	5800
424395-116372	13746 S West Bay Shore Dr	Tafelsky	Mary	0
397215-31680	13890 S West Bay Shore Dr	Harringtons West Bay		10700
55865-31650	13896 S West Bay Shore Dr	Holiday Shopper #182		2200
448395-115628	13919 S West Bay Shore Dr	Gateway Condo Assoc		900
419905-119222	13818 S West Bay Shore Dr House	Crest View Condos		900
479155-120254	13800 S West Bay Shore Dr 1	Sherman	Jennifer	500
339695-120256	13800 S West Bay Shore Dr 2	Merriner	Sherman	400
430975-120258	13800 S West Bay Shore Dr 3	Thomas	Susan	0
437465-120260	13800 S West Bay Shore Dr 4	Mokanyk	Matthew	2800
526535-120432	13800 S West Bay Shore Dr 5	Juntila	Olivia	600
521295-120434	13800 S West Bay Shore Dr 6	Ardern	Susan	300
316175-120436	13800 S West Bay Shore Dr 7	Vanraaphorst	Ronald Guy	0
463045-120438	13800 S West Bay Shore Dr 8	Sickles	Celeste	0
351825-122280	13802 S West Bay Shore Dr 9	Comprehensive Care		100
460385-122282	13802 S West Bay Shore Dr 10	Murray	John	200
486445-122284	13802 S West Bay Shore Dr 11	Goldring	Moti	200
456755-122286	13802 S West Bay Shore Dr 12	Kickham	Magdalena	0
486605-122228	13802 S West Bay Shore Dr 13	Littlefield	Bronwyn	200
459575-122230	13802 S West Bay Shore Dr 14	Sinclair	Timothy	200
487485-122232	13802 S West Bay Shore Dr 15	Anton	Michael	0
455285-122234	13802 S West Bay Shore Dr 16	Donahue	Tara	300
382295-121716	13804 S West Bay Shore Dr, Commun.	Edgewater Lofts Assoc		0
473905-121978	13804 S West Bay Shore Dr 17	Conners	Alison	0
462355-121982	13804 S West Bay Shore Dr 18	Picard	John	100
442615-121980	13804 S West Bay Shore Dr 19	Stowers	Robert	100
492205-121810	13804 S West Bay Shore Dr 20	Peacock	Steven	300
438885-121814	13804 S West Bay Shore Dr 21	Ducharme	Gregg	0
430745-121812	13804 S West Bay Shore Dr 22	Hodges	Pamela	0
174625-96750	13766 S West Bay Shore Dr 101	Mucha	Edwin	200
510575-96770	13766 S West Bay Shore Dr 102	Stefanciw	Michelle	200
251655-96790	13766 S West Bay Shore Dr 103	Hein	David	300
248205-96810	13766 S West Bay Shore Dr 104	Malinowski	Shirley	900

174885-96830	13766 S West Bay Shore Dr 105	Vanrees	Ivan	400
414055-96850	13766 S West Bay Shore Dr 106	Grevenstuk	Gordon	300
434965-96870	13766 S West Bay Shore Dr 107	Petas	Colette	200
493935-96900	13766 S West Bay Shore Dr 108	Meeks	Narda	0
493825-96920	13766 S West Bay Shore Dr 109	Proctor	Paige	100
248875-96740	13766 S West Bay Shore Dr 201	Michigan Property Mgt		100
439495-96760	13766 S West Bay Shore Dr 202	Wittbrodt	Laurie	0
271835-96780	13766 S West Bay Shore Dr 203	Flath	Kenneth	100
530085-96800	13766 S West Bay Shore Dr 204	Schwartz	Jonathan	100
174865-96820	13766 S West Bay Shore Dr 205	Angel	Michael	100
521415-96840	13766 S West Bay Shore Dr 206	Peltz	Robert S	900
215085-96860	13766 S West Bay Shore Dr 207	Bison	Ted	0
415205-96880	13766 S West Bay Shore Dr 208	Houser	Shelley	0
36725-96910	13766 S West Bay Shore Dr 209	Thomas	Jacquie R	200
214105-31640	13916 S West Bay Shore Dr	Rite Aid		200
55835-31630	13920 S West Bay Shore Dr	Gauthiers Shoes		200
426025-120300	13912 S West Bay Shore Dr	DD Cleanage		4100
155405-31540	13940 S West Bay Shore Dr	Toms Food Market		4400
530045-120404	13936 S West Bay Shore Dr	Huntington National Bank		600
465265-122078	10694 East Traverse Hwy	Nathaniel Walton		48600
524495-31490	10769 East Traverse Hwy	Richar Dingess		61600
244795-31710	13999 S West Bay Shore Dr	WLDR		0

Total Cubic Feet

159900

Total Gallons

1191255

Daily Com	Influent	
	1103	
	Combined Inf Flow	
	MGD	
1 Wed		4.28
2 Thu		4.34
3 Fri		4.28
4 Sat		4.18
5 Sun		4.00
6 Mon		4.23
7 Tue		4.22
8 Wed		4.28
9 Thu		4.30
10 Fri		4.29
11 Sat		4.66
12 Sun		4.63
13 Mon		4.65
14 Tue		4.67
15 Wed		4.70
16 Thu		4.79
17 Fri		4.69
18 Sat		4.45
19 Sun		4.48
20 Mon		4.64
21 Tue		4.51
22 Wed		4.56
23 Thu		4.44
24 Fri		4.13
25 Sat		3.71
26 Sun		4.11
27 Mon		4.35
28 Tue		4.50
29 Wed		4.54
30 Thu		4.56
31 Fri		4.41
MINIMUM		3.711
MAXIMUM		4.788
AVERAGE		4.405
SUM		136.570

Recap of Sewer Treatment Plant Costs for December 2021

	Check No.	
CH2M/OMI	Still in AP	\$ 232,763.92
Hubbell, Roth & Clark	230962	\$ 1,840.47
Windemuller	231280	\$ 2,500.00

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\$66,757 less dividend \$4558.06

Divided by 12 months-July	\$	5,183.25
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Pollution Insurance-July	\$	346.00
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Sub-total	\$	242,633.64
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Add 5% admin.	\$	12,131.68
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Total	\$	254,765.32
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Jacobs

Billing To:		Invoice									
		NUMBER	439201-32-06								
		DATE	02-Nov-21								
		PAGE	1 of 1								
		PURCHASE ORDER NUMBER									
		OUR REFERENCE	TCWWWT								
		OUR PROJECT #	439201-32								
		CUSTOMER NUMBER	33582								
Bill To: ACCOUNTS PAYABLE, 400 BOARDMAN AVE PO BOX 592 TRAVERSE CITY, MI 49685		Billing Information:									
		Account Name: JACOBS ENGINEERING GROUP INC									
		Account Number: 3750916030									
		Routing/Transit for ACH Debits & Credits: 111000012									
		Routing/Transit for Wires: 026009393									
		SWIFT: BOFAUSIN									
TERMS	DUUE DATE	INVOICE DESCRIPTION		QTY	CREDIT	RATE	TAX	UNIT PRICE	EXTENDED AMOUNT	SHIPPING/HANDLING	TOTAL DUE
NET 30	2-Dec-21								\$232,763.92		\$232,763.92
<p>1 Operations, maintenance, and management services provided according to the terms of Amendment No. 8 effective July 1, 2020 to our original Agreement dated July 1, 2012.</p> <p>For the month of Dec-21</p>											
										SPECIAL INSTRUCTIONS	
											\$0.00
										CURRENCY: USD	\$232,763.92



HUBBELL, ROTH & CLARK, INC.
CONSULTING ENGINEERS
PO BOX 824
BLOOMFIELD HILLS, MICHIGAN 48303-0824
(248) 454-6300

November 19, 2021

OK, A-JK 11/24/21

Project No: 20200501.25
Invoice No: 0192341

CITY OF TRAVERSE CITY
400 BOARDMAN AVENUE
TRAVERSE CITY, MI 49684-2542

ATTN: ART KRUEGER

SANITARY SEWER ISSUES
2021 SUPPORT

Professional Services for period ending October 30, 2021

Professional Personnel

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\$5,339.91

	Hours	Rate	Amount
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URQUHART, DOUGLAS	24.00	126.99	3,047.76
Totals	42.50		5,339.91
Total Labor			5,339.91
			Total Due this Invoice
			\$5,339.91 ✓

Billings to Date

	Current	Prior	Total
Labor	5,339.91	0.00	5,339.91
Totals	5,339.91	0.00	5,339.91



WINDEMULLER

1176 Electric Avenue | Wayland, MI 49348

P: 616.877.8770 | F: 616.877.8700

windemuller.us

Invoice 215971

Bill to: City of Traverse City 400 Boardman Traverse City, MI 49684	Job: 22021-0001 WWTP Primary Gear 625 Woodemere Ave Traverse City, MI 49684
--	--

Invoice #: 215971	Date: 11/23/21	Customer P.O. #: 00927
Payment Terms: 10 Days From Receipt		Customer Code: CH2MHI

Remarks: FROM DRAW REQUEST BILLING ENTRY

Quantity	Description	U/M	Unit Price	Extension
	FROM DRAW REQUEST BILLING NO. 7			2,500.00
			Subtotal:	2,500.00
			Total:	2,500.00

To pay by Visa, Mastercard, or American Express call (616) 877-8770 or (231) 935-4800.
PAST DUE BALANCES SUBJECT TO 1.5% FINANCE CHARGE PER MONTH.

Page: 1

Application and Certificate For Payment

Page 1

To Owner:	City of Traverse City	Project:	PO# 009297 WWTP Switchgear Repair & AS Blower Fuses	Application No.:	7	Date:	11/23/2021
From (Contractor):	WINDMULLER ELECTRIC, INC. 1176 ELECTRIC AVENUE WAYLAND, MI 49348	Contractor Job Number:	22021-0001	Period To:	11/23/21		
Phone:	616 877-8770	Via (Architect):		Architect's Project No.:			
		Contract For:		Contract Date:	02/10/20		

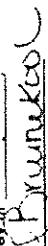
Contractor's Application For Payment

Change Order Summary		Additions	Deductions
Change orders approved in previous months by owner			
Date	Approved		
Change orders approved this month			
Total			

Net change by change orders

Net change by change orders

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information, and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Contractor:  Date: 11-23-2021
 By: Michigan County of Kent, acting in Grand Traverse
 Subscribed and sworn to before me this 23 day of November
 2021 (year). Notary public. 
 My commission expires 9-18-2023

Original contract sum

67,765.00

Net change by change orders

0.00

Contract sum to date

67,765.00

Total completed and stored to date

54,500.00

Retainage

0.00

0.0% of completed work

0.00

0.0% of stored material

0.00

Total retainage

0.00

Total earned less retainage

54,500.00

Less previous certificates of payment

52,000.00

0.000% of taxable amount

0.00

Current sales tax

0.00

Current payment due**2,500.00**

Balance to finish, including retainage
13,265.00

Architect's Certificate for Payment

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the Amount Certified.

Amount Certified: \$ _____

Architect.

By: _____ Date: _____
 This Certification is not negotiable. The Amount Certified is payable only to the Contractor named herein. Payment, and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

Application and Certificate For Payment -- page 2

To Owner: Jacobs
 From (Contractor): WINDEMULLER ELECTRIC, INC.
 Project: WWTP Primary Gear

Application No.: 7 Date: 11/23/21
 Contractor's Job Number: 22021-0001
 Architect's Project No:

Item Number	Description	Scheduled Value	Work Completed		Materials Presently Stored	Completed and Stored to Date	% Complete	Balance to Finish	Retention	Memo
			Previous Application	This Period						
005	TEMPORARY POWER	500.00	0.00	500.00	0.00	500.00	100.00	0.00	0.00	0.00
010	DEMOLITION	2,000.00	0.00	1,000.00	0.00	1,000.00	50.00	1,000.00	0.00	0.00
015	CONDUIT BX, FITTING - LABOR	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00
020	CONDUIT BX, FITTING - MTL'S	500.00	500.00	0.00	0.00	500.00	100.00	0.00	0.00	0.00
025	WIRE AND CABLE - LABOR	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00
030	WIRE AND CABLE - MTL'S	500.00	500.00	0.00	0.00	500.00	100.00	0.00	0.00	0.00
035	DISTRIBUTION - LABOR	10,265.00	0.00	0.00	0.00	0.00	0.00	10,265.00	0.00	0.00
040	DISTRIBUTION - MTL'S	51,000.00	51,000.00	0.00	0.00	51,000.00	100.00	0.00	0.00	0.00
045	GENERAL CONDITIONS	2,000.00	0.00	1,000.00	0.00	1,000.00	50.00	1,000.00	0.00	0.00
Application Total		67,765.00	52,000.00	2,500.00		54,500.00	80.42	13,265.00	0.00	



INVOICE



**CITY OF TRAVERSE CITY
Treasurer's Office
Accounts Receivable**

400 BOARDMAN AVENUE
TRAVERSE CITY, MI 49684

RECEIVED

JAN 18 2022

TELEPHONE (231) 922-6861
FAX (231) 922-4485

GRAND TRAVERSE COUNTY
DEPARTMENT OF PUBLIC WORKS
2650 LAFRANIER RD
TRAVERSE CITY, MI 49686-8972

Dept of Public Works

Invoice Number: 0000101339
Invoice Date: 11/30/2021
Net: 30

Amount Due: 46,711.73

Return this portion with payment.

ITEM DESCRIPTION	QUANTITY	PRICE	AMOUNT
WATER SERVICES	1.00	46,711.73	46,711.73

GARFIELD TOWNSHIP WATER BILLING FOR
NOVEMBER 2021

ADJUSTMENT: 0.00
TOTAL: 46,711.73

Make checks payable to City of Traverse City
Please reference invoice number on all correspondence

RETURN TO: City Treasurer P.O. Box 592 Traverse City MI 49685-0592

CITY OF TRAVERSE CITY

Invoice Number: 0000101339



Email invoice to:
Grand Traverse County-QFW
2650 LaFrenier Road
Traverse City, MI 49686-8972

Water Meter Reading Dates	Garfield Avenue	Barlow [Add]	Barlow Add cubic feet)	LaFranner Hill	NMC-Boardman Lake Campus	Cass Road (Deduct)	Veterans/ Fairlawn (Deduct)	Fairlawn Booster	Munson Booster	Townline/ Airport	Total Adjusted Water Meter Readings
Nov-21	✓ 3,693.851	✓ 13,748.402	✓ 10,367	✓ 8,063.000	✓ 67,499	✓ 1,212.365	✓ 1,212.365	✓ 689.164	✓ 689.164	✓ 4,427.187	29,579.852
Total	3,693.851	13,748.402	10,367	8,063.000	67,499	1,212.365	1,212.365	689.164	689.164	4,427.187	29,579.852.00

Garfield Township Water Billing
November 2021

Total Adjusted Water Meter Readings	29,579.852.00
x cost per 1000 gallons	1.5986000 ✓
Subtotal	\$47,315.93
Veteran's Drive Water Reading	(535.356.09)
x cost per 1000 gallons	1.1265000 ✓
Less credit for Veterans Drive	(604.21)
Total Billing to Garfield Township	\$46,711.73
	\$91,900.00*

GARFIELD TOWNSHIP MASTER WATER METER READINGS

Month of November 2021

GARFIELD AVE	MONTH		15% Deduct Meter Credit		Total Gallons
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	November	620,897,431	62,019,000		
	October	615,991,934	60,965,395		
Gallons		4,905,497	1,053,605	158,041	3,693,851
BARLOW (ADD)					
	MONTH	Add To:	Subtract:	15% Deduct Meter Credit	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	November	165,390,624	541,906,368		
	October	144,967,328	536,102,112		
Gallons		20,423,296	5,804,256	870,638	13,748,402
BARLOW (ADD)	MONTH	1516 Barlow Schmuckal	1502 Barlow Four Seasons	1450 Barlow Dixon	1433 Barlow Gleason
	November				
Cubic Feet	October	0.0	0.0	0.0	0.0
Gallons		0.0	0.0	0.0	0.0
					10,367
LAFRANIER HILL					
	MONTH	6"			
	November	101,909,000			
	October	93,846,000			
Gallons		8,063,000			8,063,000
NMC Boardman					
Lake Campus	Skilled	Old Building	New Building	Irrigation	Fire Meter
	November				
October					
Cubic Feet		0.0	0.0	0.0	0.0
Gallons		0	0	0	0
					67,499
CASS Road	MONTH	Add To:	Subtract:	15% Deduct Meter Credit	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	November	1,199,987,840	2,044,993,920		
	October	1,193,300,224	2,040,232,832		
Gallons		6,687,616	4,761,088	714,163	1,212,365
VETERANS/FAIRLANE (DEDUCT)	MONTH	6"			
	November	274,562,979			
	October	272,230,996			
Gallons		2,331,983			-2,331,983
MUNSON BOOSTER	MONTH	MUNSON BOOSTER ADD TO METER	MEDICAL CAMPUS DOMESTIC DEDUCT	MEDICAL CAMPUS SPRINKLER DEDUCT	Hospice Center
	November	117,689,200	439,000	3,637,200	445,200
	October	116,976,100	437,500	3,637,200	443,500
Cubic Feet		713,100	1,500	0	1,700
Gallons		713,100	11,220	0	12,716
					0
					689,164
Townline / South Airport Road	MONTH	#1 Add	Subtract:	15% Deduct Meter Credit	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	November	1,002,382,282	189,451,315		
	October	995,462,325	187,283,689		
Gallons		6,919,957	2,167,626	325,144	4,427,187
GRAND TOTAL					29,579,852



INVOICE



CITY OF TRAVERSE CITY
Treasurer's Office
Accounts Receivable

400 BOARDMAN AVENUE
TRAVERSE CITY, MI 49684

TELEPHONE (231) 922-4431
FAX (231) 922-4485

GRAND TRAVERSE COUNTY
DEPARTMENT OF PUBLIC WORKS
2650 LAFRANIER RD
TRAVERSE CITY, MI 49686-8972

Return this portion with payment.

Invoice Number: 0000101342
Invoice Date: 12/31/2021
Net: 30
Amount Due: 39,603.70

ITEM DESCRIPTION	QUANTITY	PRICE	AMOUNT
WATER	1.00	39,603.70	39,603.70

GARFIELD TOWNSHIP WATER BILLING FOR
DECEMBER 2021

APPROVED

JAN 14 2022

By [Signature]

ADJUSTMENT: 0.00
TOTAL: 39,603.70

Make checks payable to City of Traverse City
Please reference invoice number on all correspondence

RETURN TO: City Treasurer P.O. Box 592 Traverse City MI 49685-0592

CITY OF TRAVERSE CITY

Invoice Number: 0000101342



Email invoice to:
Grand Traverse County-DFW
2650 LaFranner Road
Traverse City, MI 49686-8972

Water Meter Reading Dates	Garfield Avenue	Barlow (Add)	Bartow Add cubic feet)	In	LaFranner Hill	NMC-Boardman Lake Campus	Cass Road (Deduct)	Veterans/ Fairlawn (Deduct)	Munson Booster	Townline S Airport	Total Adjusted Water Meter Readings
Dec-21	✓ 3,168,197 ✓ 11,160,688	✓ 12,836	✓ 6,652,000	✓ 63,812	✓ 1,564,461	✓ 1,564,461 (1,938,423.00)	✓ 595,116	✓ 3,863,510	✓ 595,116	✓ 3,863,510	25,082,197
Total	3,168,197	11,160,688	12,836	6,652,000	63,812	1,564,461 (1,938,423.00)	595,116	3,863,510	595,116	3,863,510	25,082,197.00

Garfield Township Water Billing	
December 2021	
Total Adjusted Water Meter Readings	25,082,197.00 ✓
x cost per 1000 gallons	1,589,600.00 ✓
Subtotal	\$40,121.48
Veteran's Drive Water Reading	(435) 632-2323 ✓
x cost per 1000 gallons	1,726,500.00 ✓
Less credit for Veterans Drive	(5,117.78)
Total Billing to Garfield Township	\$39,603.70
	\$91,000-506,008

GARFIELD TOWNSHIP MASTER WATER METER READINGS
Month of December 2021

GARFIELD AVE	MONTH		15% Deduct Meter Credit		Total Gallons
			Subtract:	Subtract:	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	December	625,082,499	62,903,236		
	November	620,897,431	62,019,000		
Gallons		4,185,068	884,236	132,635	3,168,197
BARLOW (ADD)					
BARLOW (ADD)	MONTH	Add To:	15% Deduct Meter Credit		
			Subtract:	Subtract:	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	December	182,860,304	547,392,448		
	November	165,390,624	541,906,368		
Gallons		17,469,680	5,486,080	822,912	11,160,688
BARLOW (ADD) (IN CU FT)					
BARLOW (ADD) (IN CU FT)	MONTH	1516 Barlow Schmuckel	1502 Barlow Four Seasons	1450 Barlow Dixon	1433 Barlow Glaason
	December				
	November				
Cubic Feet		0.0	0.0	0.0	0.0
Gallons		0.0	0.0	0.0	0.0
					12,836
LAFRANIER HILL					
LAFRANIER HILL	MONTH	6"			
	December	108,561,000			
	November	101,909,000			
Gallons		6,652,000			6,652,000
NMC-Boardman Lake Campus					
NMC-Boardman Lake Campus	Skilled	Old Building	New Building	Irrigation	Fire Meter Profile Building
December					
November					
Cubic Feet	0.0	0.0	0.0	0.0	0.0
Gallons	0	0	0	0	0
					63,812
CASS Road					
CASS Road	MONTH	Add To:	15% Deduct Meter Credit		
			Subtract:	Subtract:	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	December	1,205,937,536	2,048,807,168		
	November	1,199,987,840	2,044,993,920		
Gallons		5,949,696	3,813,248	571,987	1,564,461
VETERANS/FAIRLANE (DEDUCT)					
VETERANS/FAIRLANE (DEDUCT)	MONTH	6"			
	December	276,561,402			
	November	274,562,979			
Gallons		1,998,423			-1,998,423
MUNSON BOOSTER MONTH					
MUNSON BOOSTER MONTH	ADD TO METER	MEDICAL CAMPUS DOMESTIC DEDUCT		MEDICAL CAMPUS SPRINKLER DEDUCT	Hospice Center Hospice Irrigation
	December	118,309,000	440,900	3,637,200	446,600 1,002,600.0
	November	117,689,200	439,000	3,637,200	445,200 1,002,600.0
Cubic Feet		619,800	1,900	0	1,400 0.0
Gallons		619,800	14,212	0	10,472 0
					595,116
Townline/ South Airport Road					
Townline/ South Airport Road	MONTH	#1 Add	15% Deduct Meter Credit		
			Subtract:	Subtract:	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	December	1,008,271,164	191,212,508		
	November	1,002,382,282	189,451,315		
Gallons		5,888,882	1,761,193	264,179	3,863,510
					25,082,196
GRAND TOTAL					



INVOICE



**CITY OF TRAVERSE CITY
Treasurer's Office
Accounts Receivable**

400 BOARDMAN AVENUE
TRAVERSE CITY, MI 49684

RECEIVED

JAN 13 2022

PENINSULA TOWNSHIP
WATER BILLING
2650 LAFRANIER RD
TRAVERSE CITY, MI 49686-8972

Dept of Public Works

TELEPHONE (231) 922-6861
FAX (231) 922-4485

Invoice Number: 0000101340

Invoice Date: 11/30/2021

Net: 30

Amount Due: 3,494.40

Return this portion with payment.

ITEM DESCRIPTION	QUANTITY	PRICE	AMOUNT
WATER SERVICES	1.00	3,494.40	3,494.40

PENINSULA TOWNSHIP - WATER CHARGES FOR
NOVEMBER 2021

ADJUSTMENT: 0.00
TOTAL: 3,494.40

Make checks payable to City of Traverse City
Please reference invoice number on all correspondence

RETURN TO: City Treasurer P.O. Box 592 Traverse City MI 49685-0592

CITY OF TRAVERSE CITY

Invoice Number: 0000101340



Invoice to:

Peninsula Township
Attn: Dianne Thompson
2650 LaFraniel Road
Traverse City, MI 49686-8972

Peninsula Township	Master Mtr #1	Master Mtr #2	Master Mtr #3	Master Meter #4
Water Meter Reading Dates	6004 Center Rd	6415 Center Rd	6289 Summit Ct	6187 Red Fox Run
Nov-21	✓ 701,856	✓ 1,148,104	✓ 334,591	(3) 2,184,548
Total	701,856.00	1,148,104.00	334,591.00	(3.00) 2,184,548.00

Peninsula Township Water Billing		
November 2021		
Total Adjusted Water Meter Readings	2,184,548	
x Cost per 1000 Gallons	1,5996000	
Total Billing to Peninsula Township	\$3,494.40	591-000-606.005

Invoice to:

Elmwood Township
2650 LaFraniel Road
Traverse City, MI 49686-8972

Elmwood Township	Water Meter Reading Date	Greilickville
	Nov-21	490,691
	Total	490,691

Elmwood Township Water Billing		
November 2021		
Total Adjusted Water Meter Readings	490,691	
x Cost per 1000 Gallons	1,5996000	
Total Billing to Elmwood Township	\$784.91	591-000-606.002

PENINSULA TOWNSHIP MASTER WATER METER READINGS
Month of November 2021

Master Meter #1 6004 Center Road	MONTH	Add	Subtract	Deduct at 15% Subtract	Totals
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	November	89,204,176	10,309,062		
	October	88,485,424	10,294,370		
Gallons		718,752	14,692	2,204	701,856
Master Meter #2 6475 Center Road	MONTH	Add	Subtract	Deduct at 15% Subtract	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	November	142,817,568	69,839,888		
	October	140,668,228	68,969,248		
Gallons		2,149,340	870,640	130,596	1,148,104
Master Meter #3 6289 Summit Court	MONTH	Add	Subtract	Deduct at 15% Subtract	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	November	17,876,664	32,035,528		
	October	17,446,966	31,952,826		
Gallons		429,698	82,702	12,405	334,591
Master Meter #4 6187 Red Fox Run	MONTH	Add	Subtract	Deduct at 15% Subtract	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	November	4,122,285	1,127		
	October	4,122,283	1,123		
Gallons		2	4	1	-3
Grand Total Peninsula Township					<u>2,184,548</u>



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JAN 18 2022

Dept of Public Works

PENINSULA TOWNSHIP
WATER BILLING
2650 LAFRANIER RD
TRAVERSE CITY, MI 49686-8972

**CITY OF TRAVERSE CITY
Treasurer's Office
Accounts Receivable**

400 BOARDMAN AVENUE
TRAVERSE CITY, MI 49684

TELEPHONE (231) 922-6861
FAX (231) 922-4485

Invoice Number: 0000101343

Invoice Date: 12/31/2021

Net: 30

Amount Due: 3,129.10

Return this portion with payment.

ITEM DESCRIPTION	QUANTITY	PRICE	AMOUNT
WATER SERVICES	1.00	3,129.10	3,129.10

PENINSULA TOWNSHIP - WATER CHARGES FOR

~~NOVEMBER 2021~~

~~December~~

ADJUSTMENT: 0.00
TOTAL: 3,129.10

Make checks payable to City of Traverse City
Please reference invoice number on all correspondence

RETURN TO: City Treasurer P.O. Box 592 Traverse City MI 49685-0592

CITY OF TRAVERSE CITY

Invoice Number: 0000101343



Invoice to:

Peninsula Township
Attn: Dianne Thompson
2650 LaFranner Road
Traverse City, MI 49686-8972

Water Meter Reading Dates	Master Mtr #1 6004 Center Rd	Master Meter #2 6475 Center Rd	Master Meter #3 6299 Summit Ct	Master Meter #4 6187 Red Fox Run	Total
Dec-21	✓ 639,124 ✓ 1,000,703 ✓ 316,352 0				1,956,179
Total	639,124.00	1,000,703.00	316,352.00	-	1,956,179.00

Peninsula Township Water Billing		
December 2021		
Total Adjusted Water Meter Readings	1,956,179	
x Cost per 1000 Gallons	1.5996000	
Total Billing to Peninsula Township	\$1,228.10	\$91,000.406,005

Invoice to:

Elmwood Township
2650 LaFranner Road
Traverse City, MI 49686-8972

Elmwood Township Water Meter Reading Date	Gullcksville
Dec-21	468,834
Total	468,834

Elmwood Township Water Billing		
December 2021		
Total Adjusted Water Meter Readings	468,834	
x Cost per 1000 Gallons	1.5996000	
Total Billing to Elmwood Township	\$749.95	\$51,400.466,002

PENINSULA TOWNSHIP MASTER WATER METER READINGS
Month of December 2021

Master Meter #1 6004 Center Road	MONTH	Add	Subtract	Deduct at 15% Subtract	Totals
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	December	89,852,760	10,317,288		
	November	89,204,176	10,309,062		
Gallons		648,584	8,226	1,234	639,124
Master Meter #2 6475 Center Road	MONTH	Add	Subtract	Deduct at 15% Subtract	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	December	144,610,244	70,528,560		
	November	142,817,568	69,839,888		
Gallons		1,792,676	688,672	103,301	1,000,703
Master Meter #3 6289 Summit Court	MONTH	Add	Subtract	Deduct at 15% Subtract	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	December	18,230,290	32,067,940		
	November	17,876,664	32,035,528		
Gallons		353,626	32,412	4,862	316,352
Master Meter #4 6187 Red Fox Run	MONTH	Add	Subtract	Deduct at 15% Subtract	
SUBTRACT TAKEN OUT AT A RATE OF 1.15					
	December	4,122,285	1,127		
	November	4,122,285	1,127		
Gallons		0	0	0	0
Grand Total Peninsula Township					<u>1,956,180</u>



INVOICE



RECEIVED

JAN 13 2022

Dept of Public Works
ELMWOOD TOWNSHIP
WATER BILLING
2650 LAFRANIER RD
TRAVERSE CITY, MI 49686-8972

CITY OF TRAVERSE CITY
Treasurer's Office
Accounts Receivable

400 BOARDMAN AVENUE
TRAVERSE CITY, MI 49684

TELEPHONE (231) 922-6861
FAX (231) 922-4485

Invoice Number: 0000101341

Invoice Date: 11/30/2021

Net: 30

Amount Due: 784.91

Return this portion with payment.

ITEM DESCRIPTION	QUANTITY	PRICE	AMOUNT
WATER SERVICES	1.00	784.91	784.91

ELMWOOD TOWNSHIP - WATER BILLING FOR
NOVEMBER 2021

ADJUSTMENT: 0.00
TOTAL: 784.91

Make checks payable to City of Traverse City
Please reference invoice number on all correspondence

RETURN TO: City Treasurer P.O. Box 592 Traverse City MI 49685-0592

CITY OF TRAVERSE CITY

Invoice Number: 0000101341



Invoice to:

Peninsula Township
Attn: Dianne Thompson
2650 LaFraniel Road
Traverse City, MI 49686-8972

Water Meter Reading Dates	Master Mtr #1 8004 Center Rd	Master Mtr #2 8475 Center Rd	Master Mtr #3 6289 Summit Ct	Master Mtr #4 6187 Red Fox Run	Total
Nov-21	701,856	1,148,104	334,591	(3)	2,184,548
Total	701,856.00	1,148,104.00	334,591.00	(3.00)	2,184,548.00

Peninsula Township Water Billing		
November 2021		
Total Adjusted Water Meter Readings		2,184,548
x Cost per 1000 Gallons		1.5996000
Total Billing to Peninsula Township		\$3,484.40

Invoice to:

Elmwood Township
2650 LaFraniel Road
Traverse City, MI 49686-8972

Water Meter Reading Date	Greencastle	Total
Nov-21	490,691	
Total		490,691

Elmwood Township Water Billing		
November 2021		
Total Adjusted Water Meter Readings		490,691
x Cost per 1000 Gallons		1.5996000
Total Billing to Elmwood Township		\$784.91

ELMWOOD TOWNSHIP MASTER WATER METER READINGS
Month of November 2021

Greilickville Water	MONTH	Add	Totals
	November	117,754,201	
	October	117,263,510	
		<u>490,691</u>	
Total Gallons to Bill			<u>490,691</u>



INVOICE



JAN 13 2022

Dept of Public Works

ELMWOOD TOWNSHIP
WATER BILLING
2650 LAFRANIER RD
TRAVERSE CITY, MI 49686-8972

Return this portion with payment.

CITY OF TRAVERSE CITY
Treasurer's Office
Accounts Receivable

400 BOARDMAN AVENUE
TRAVERSE CITY, MI 49684

TELEPHONE (231) 922-6861
FAX (231) 922-4485

Invoice Number: 0000101344
Invoice Date: 12/31/2021

Net: 30

Amount Due: 749.95

ITEM DESCRIPTION	QUANTITY	PRICE	AMOUNT
WATER SERVICES	1.00	749.95	749.95

ELMWOOD TOWNSHIP - WATER BILLING FOR
DECEMBER 2021

ADJUSTMENT: 0.00
TOTAL: 749.95

Make checks payable to City of Traverse City
Please reference invoice number on all correspondence
RETURN TO: City Treasurer P.O. Box 592 Traverse City MI 49685-0592

CITY OF TRAVERSE CITY

Invoice Number: 0000101344



Invoice to:

Peninsula Township
Attn: Dianne Thompson
2650 LaFranner Road
Traverse City, MI 49686-8972

Peninsula Township		Master Mtr #1	Master Meter #2	Master Meter #3	Master Meter #4	
Water Meter Reading Dates	6004 Center Rd	6475 Center Rd	6289 Summit Ct	6187 Red Fox	Run	Total
Dec-21	639,124	1,000,703	316,352	0	1,956,179	
Total	639,124.00	1,000,703.00	316,352.00			1,956,179.00

Peninsula Township Water Billing	
December 2021	
Total Adjusted Water Meter Readings	1,956,179
x Cost per 1000 Gallons	1.5996000
Total Billing to Peninsula Township	\$3,129.10
	\$3,129.10

Invoice to:

Elmwood Township
2650 LaFranner Road
Traverse City, MI 49686-8972

Elmwood Township	Greencastle
Water Meter Reading Date	
Dec-21	✓ 468,834
Total	468,834

Elmwood Township Water Billing	
December 2021	
Total Adjusted Water Meter Readings	468,834
x Cost per 1000 Gallons	1.5996000
Total Billing to Elmwood Township	\$779.95
	\$779.95

ELMWOOD TOWNSHIP MASTER WATER METER READINGS
Month of December 2021

Greiblickville Water	MONTH	Add	Totals
	December	118,223,035	
	November	117,754,201	
		<u>468,834</u>	
Total Gallons to Bill			<u>468,834</u>



MEMO

To: BPW Finance Committee
From: John DiVozzo
Date: 1/26/22
Subject: DPW Update

This memo is intended to give a brief update to current happenings at the DPW:

1. We have hired a Manager, Kent Nothstine, who will begin on February 28, 2022.
2. Jackie Richards has stated she is retiring in late February or early March. Staff is posted this position so that we may be able to get a replacement before she leaves. Sharon resigned 1/29/22
3. SCADA asset management is a priority for 2022 and we should be able to present a plan by our March meeting. This plan will detail priority replacement of SCADA infrastructure and a possible move to cellular technology.
4. Temporary staffing will resume this Spring in the hopes of making progress on our overall asset management plan.
5. Future permanent staffing levels and pay scales will be presented early in the 2023 budget process. This will include additional maintenance personnel and classification upgrades for two office staff. This was presented with the wage study, but the final report presented findings in a different format.

As far as staffing levels and upgrades are concerned, no actions will be taken without Board approval, but staff is expecting to present a report to the Board prior to May/June meetings.

Thank you.



MEMO

To: BPW Finance Committee
From: John Divozzo
Date: 1/25/22 *[initials]*
Subject: DPW Responsibilities

At our last Board meeting, staff was asked to discuss various responsibilities of the DPW regarding grants, long-term planning, and overall capital planning. This memo is intended to give a brief general statement as an answer to the question.

The Townships have contracted with the County to 'manage' their respective water/sewer systems. The BPW is the County's Agent regarding utilities and carries out these duties through the DPW.

By contract, the DPW is responsible for the daily administration, operation, and maintenance of these systems. This responsibility begins at 'turnover'.

Administration is the permitting, billing, collecting, and budgeting for the systems. This work includes new connections, customer service, account management, regulatory requirements, communications, meetings, and personnel management.

Operation is the process of insuring that the systems are working properly and within the confines of the law. This work requires licensing and state reporting, sample collection and testing, chemical treatment, tapping, metering, and recording of daily information related to each system.

Maintenance is a subcategory of operation and literally means performing maintenance on the systems and their components.

Capital Planning is not specifically identified in the contracts. This task can be divided the same categories as above. As such, the DPW accepts its responsibility to perform some planning on system components, staffing, equipment, etc.

Long-term planning is not specifically mentioned in the contracts and typically is not performed by the DPW. The DPW assists with the planning by providing data, identifying issues at certain stations, communicating with EGLE, and informing the Townships. The DPW would also coordinate certain activities with the Township Engineer.

The Township Engineers perform long-term planning through capacity/reliability studies and including capital planning for long-term functionality of the systems.

Long-term planning can be managed by the DPW, but typically has started at the Township level.

The DPW is usually not formally aware of these plans but is included in the development of the status quo scenario.

This relationship has been in place for decades and has advantages and disadvantages. The DPW typically defers to the Township.

There are projects that benefit one township over another, and those types of projects would not require full participation by all the townships. The SCADA system is interconnected to all systems and falls under direct authority of the DPW. Any review or study to be performed on the SCADA system would be administered by the DPW. All other long-term projects would be administered by the Townships, unless specifically given to the DPW.

Communication amongst all parties is key to ensuring that daily activities and long-term planning are completed for all parties.

We will discuss at our next meeting(s) and hopefully we are all on the same page moving forward.

Thank you.



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

41780 Six Mile Road, Suite 200
Northville, MI 48168
248.553.6300
248.324.5179 Fax

Ms. Elizabeth Hart
Senior Operations Specialist
Jacobs Engineering Group
606 Hannah Avenue
Traverse City, Michigan 49686

January 18, 2022
NTH Proposal No. OP22000037

**RE: Proposal for SBR Tank Concrete Repairs Bid Support and Construction Oversight
Grand Traverse County Septage Treatment Facility
Traverse City, Michigan**

Dear Ms. Hart:

At your request, we have prepared this proposal to provide construction contract administration and engineering oversight services for the repair of the concrete topping slab on the roof of the Grand Traverse Septage Treatment Facility's SBR Tank. The proposed repairs are based on the structural assessment and repair design package that was completed in May 2021. The following sections provide our understanding of the project background, our proposed scope of services, associated fees, and proposed schedule.

PROJECT BACKGROUND

The Grand Traverse County Septage Treatment Facility is located at 1717 Ahlberg Drive, Traverse City, Michigan. The facility treats domestic household septic waste, holding tank waste, grease trap material, portable toilet material, and special waste. The facility is comprised of an Un-load Building; Influent Equalization Tank; Screening & Dewatering Facility; Aeration Tank (MBR Tank) & Membrane Building; ATAD Building (containing the SNDR Tank, Day Tank, and ATAD Tank); Post Equalization Tank; Biofilter; and associated Electrical and Mechanical Rooms. It is our understanding that Jacobs has been retained by Grand Traverse County to operate and maintain the facility.

In August 2018, NTH was retained by Jacobs to perform a condition assessment of four tanks at the facility. The focus of our condition assessment and manned confined space entry were the SBR Tanks, SNDR Tank, Day Tank, and ATAD Tank. The condition survey included a representative visual review of the interior and exterior of the tank's walls, base slab, and roof structure. Exposed concrete was sounded using a rock hammer to check for concrete deterioration and possible delamination. Cracks and joints were visually assessed in accordance with ACI guidelines for inspection of concrete in service and the presence of active leakage or historical staining. As part of our inspection, a representative number of existing cracks had crack gauges installed for additional monitoring as the tanks were returned to service. A letter report for the condition assessment dated October 25, 2018 and revised December 12, 2018 provided recommendations for maintenance repairs and additional monitoring for the purpose of extending and maintaining serviceability of the various inspected tanks at the Septage Treatment Facility. These recommendations included application of concrete waterproofing and joint sealant to the SBR Tank topping slab and exterior tank walls. Additional structural evaluation was performed and a letter report "Evaluation Report on the Structural Analysis of the MBR (SBR) Tank Walls" dated March 28, 2019 included recommendations for repairing of surface cracking and application



Ms. Elizabeth Hart
January 18, 2022

of waterproofing to the exterior walls of the SBR Tank, as well as recommendations for a structural retrofit for the tank's exterior walls prior to an increase in the tank's operational water level. The evaluation did not include a review of operational systems, pumps, or the functionality of electrical/mechanical systems. Based on our understanding and discussions with you, the above recommended repairs and retrofits have not been performed to date.

On October 17, 2020 an e-mail documenting surface spalling of the concrete topping slab on the roof of the SBR Tanks was shared by facility staff. Follow up field investigation by NTH in January 2021 found the surface spalling in the topping slab to generally be shallow and did not affect the reinforcing steel present in the roof topping slab. Conclusions from the field investigation recommended performing maintenance concrete repairs to repair the surface concrete spalls and apply a concrete sealer waterproofing to help prevent future spalling caused affects of freeze/thaw cycles and water infiltration into the concrete surface. A repair design package "Concrete Maintenance Repairs and Waterproofing" was developed based on the field investigation from January 2021.

Based on our email exchanges and subsequent discussions, the following scope of services will provide construction contract administration and construction oversight of the SBR Tank concrete topping slab repairs included in the Concrete Maintenance Repairs and Waterproofing Package.

SCOPE OF SERVICES

We have prepared the following scope of services in support of the SBR Tank roof topping slab and concrete waterproofing efforts.

- **Task 1: Bid Support**

We will provide engineering and support services necessary for preparation of Contract Documents to compile an issue-for-bid package and aid in the bid solicitation and bid evaluation process. These support services include the following tasks:

- Development of Issue-For-Bid Contract Documents
 - Finalize Contract Drawings and technical specifications provided in the May 2021 "Concrete Maintenance Repairs and Waterproofing" package.
 - Development of General Conditions and Agreement specifications (Division 00) using Jacobs provided Standard Contract documents.
 - Finalize an Engineer's Opinion of Probable Cost in order to aide in comparison of submitted bid pricing.
- Bidding Assistance
 - Identification of potential bidders. NTH will contact a minimum of three local/regional contractors in order to solicit interest in bidding.
 - Conduct pre-bid meeting. Our scope is based on one virtual pre-bid meeting to present the project scope and requirements to the potential bidders.
 - Administrate and respond to Contractor questions and requests for information during the bid period. This includes issuing addenda as necessary to answer questions, provide clarifications and additional



Ms. Elizabeth Hart
January 18, 2022

information, provide summary of pre-bid meeting, and any other necessary information.

- Tabulate and assist in bid evaluation. Provide analysis relative to bid acceptability and provide final recommendations for award.
- Provide assistance to the selected bidder for preparation and acceptance of Jacobs Activity Hazard Assessment (AHA)

- **Task 2: Construction Contract Administration (CCA)**

We will provide a Construction Contract Administrator and staff to oversee CCA services. The Construction Contract Administrator's role during construction will be to administer the Contract and oversee project field engineering staff and coordinate day-to-day field engineering and contract administration services with representatives of Jacobs and the Grand Traverse Septage Treatment Facility Representative. CCA services include the following tasks:

- Maintaining records of construction and providing the initial response to queries raised by the Contractors.
- Provide an experienced field representative to observe and document the work, ensure the contractor is working in accordance with the contract requirements, and issue non-compliance notices as appropriate.
- Provide review and responses for project required submittals, shop drawings, and requests for information (RFIs).
- Review Contractor progress and payment applications and provide recommendations to Jacobs for payment.
- Compile and transmit project closeout documentation:
 - Preparation of as-built record drawings,
 - Compile daily field reports (DFRs) from NTH field representative, and
 - Compile project submittals and product documentation.

PROFESSIONAL FEES, TERMS, and CONDITIONS

NTH's efforts will be charged based on time and materials in accordance with our 2022 Fee and Rate Schedule for Professional Services (FS-ENG-2), and our Schedule of Equipment Usage Rates, Forms FS-ER-1, FS-ER-2, and FS-ER-3 (copies attached). Our services will be provided in accordance with our General Conditions, Form GC-12-2021 (copy attached). Our estimated fees for Construction Contract Administration are based on a 10-day construction schedule with a full-time field representative onsite to observe and document the work. The project will only be invoiced for our time and expenses spent in support of the project. Our estimated fees to complete the individual tasks included in this proposal are summarized below.

Task Description	Estimated Fee
Task 1: Project Management and Scheduling	\$ 2,915
Task 2: Bid Support	\$ 15,415
Task 3: Construction Contract Administration	<u>\$ 35,240</u>
TOTAL	\$ 53,570



Ms. Elizabeth Hart
January 18, 2022

In the event that the proposed scope of services is modified or a change in assumed construction schedule is noted, we will request a change in the approved fees and scope of services prior to proceeding with additional service.

PROPOSED SCHEDULE

We anticipate being able to immediately schedule the Task 1 – Bid Support upon receiving your notice-to-proceed and anticipate 6-8 weeks to compile the Issue-For-Bid Contract Documents with pre-bid meeting and bid evaluation following the issuing of bid documents. It is our understanding that target construction schedule is May 2022. We anticipate being able to coordinate Task 2 – Construction Contract Administration with the target construction schedule of May 2022. We anticipate 2 weeks of field time for the contractor to complete the recommended repairs.

PROPRIETARY STATEMENT

NTH expends considerable effort in research and development of an appropriate scope of services that is tailored to the specific needs of the client and project. Consequently, the technical and pricing information contained in this proposal submitted by NTH or in this Agreement is confidential and proprietary. Jacobs shall not release such information or otherwise make it available to any third-party without the express written consent of NTH.

Upon your review and approval of this proposal, please indicate your acceptance by signing below and returning one copy to us. The signed copy will serve as our contract/authorization to proceed with the proposed services. Should you prefer to issue a task order, purchase order or other form of written authorization, please reference NTH Proposal No. OP22000037 as part of that document.

We appreciate the opportunity to submit this proposal and look forward to continue supporting you and your staff. Once you review this proposal, should you have any questions or require any additional information, please do not hesitate to contact either of the writers by telephone or e-mail as indicated below.

Sincerely,

NTH Consultants, Ltd.

DocuSigned by:

Joel D. Schanne

C80DCB473B2B419...

Joel D. Schanne, P.E.
Project Engineer
(248) 662-2032
jschanne@nthconsultants.com

DocuSigned by:

Saju Sachidanandan

04261F17B85445C...

Saju Sachidanandan, P.E.
Vice-President
(248) 662-2723
ssachi@nthconsultants.com

JDS/SS/clm
Attachments



Ms. Elizabeth Hart
January 18, 2022

PROPOSAL ACCEPTANCE

ACCEPTED FOR: JACOBS ENGINEERING GROUP
(NTH Proposal No. OP22000037, dated January 18, 2022)

NAME: _____

(Print Name)

TITLE: _____

DATE: _____

SIGNATURE: _____

2022 FEE AND RATE SCHEDULE PROFESSIONAL SERVICES

PERSONNEL

Fees for our services will be based upon the time worked on the project by professional, technical and clerical personnel according to the following schedule:

	PER HOUR
IT Professional	\$120
Administrative	\$85
Word Processor*	\$85
Technician I*	\$75
Technician II*	\$85
Technician III*	\$95
Technician IV*	\$110
Lab Technician*	\$90
Senior Technician II	\$110
CADD Operator	\$110
Staff Professional	\$120
Senior Staff Professional	\$140
Project Professional	\$160
Senior Project Professional	\$185
Principal Engineer	\$195
Senior Principal Engineer	\$220
Corporate Officer	\$250

*For these personnel, overtime work will be charged at a rate equal to 1.33 times the Standard Rate.

A premium of 25 percent will be added to hourly rates for expert testimony and depositions, including preparation time.

NTH Consultants and Professionals include Engineers, Geologists, Environmental Specialists, Architects, Roofing Specialists, Industrial Hygienists, Environmental Health Specialists, Scientists, Asbestos Specialists, and Environmental Chemists. NTH Technicians include Engineering, Environmental, Construction Materials, and Environmental Health technical specialists.

NTH operates on a strong project management system, and a Project Manager is appointed for each project. Project Managers are selected from our staff of Senior Project Professionals, Principal Engineers and Senior Principal Engineers.

EXPENSES

The following expenses, when incurred in direct connection with the project, will be charged at the rate shown:

Transportation, Lodging and Subsistence for Travel	Cost + 10%
Printing, Reproduction, Photographs, Long Distance Telephone and Telecopier Charges, Shipping Charges and Material Purchases	Cost + 10%
Project Mileage for Company-Owned Vehicles	\$1.00 / Mile
CADD Supply Charge	\$6 / Hour

Rental of Specialized Field, Laboratory or Monitoring Equipment will be billed as indicated on NTH Schedule of Equipment Usage Rates.

SUBCONTRACTORS / SUBCONSULTANTS

On projects requiring subcontractors or subconsultants, we will obtain the services of reputable contractors or consultants to perform such work. The fees of these contractors or consultants plus a 15% service charge will be added to our invoices.

INVOICES

Progress invoices will be submitted to the client monthly and a final bill will be submitted upon completion of our services. Invoices for cost plus and time and materials projects will show charges for different personnel and expense classifications. Each invoice is due on presentation and is past due thirty (30) days from invoice date. Client agrees to pay a finance charge of one percent (1%) per month on past due accounts. We reserve the right to suspend or terminate work under our agreement upon failure of the client to pay invoices when due.

INCREASES

Fee schedule increases made by our firm on an overall client basis will be applied to work on all projects as the increases become effective.

2022 SCHEDULE OF EQUIPMENT USAGE RATES



NTH Consultants, Ltd. will provide the following equipment for use on projects for which we are performing consulting services. The equipment will be charged to the project for the duration of its use on the project. In addition to personnel charges, the following rates will apply:

Usage Codes

Geotechnical Equipment

GT975	SP Focus 35 Total Station.....	\$200 / Day- \$825 / Wk- \$2500 / Month
GT735	MPD Infiltrometer Kit with Tablet.....	\$800 / Day
GT105	Frequency Analyzer/DAT Recorder/Low Frequency Accelerometers.....	\$500 / Day
GT110	Blast Monitoring Seismograph.....	\$50 / Day - \$160 / Wk - \$500 / Month
GT110RA	Blast Monitoring Seismograph with Remote Monitoring.....	\$80 / Day - \$250 / Wk
GT329	Vibration Telemetry and Website.....	\$250 / Month
GT162	Digitilt Inclinometer.....	\$60 / Day - \$500 / Month
GT143	Power Auger Equipment.....	\$50 / Day
GT142	Hand Auger.....	\$15 / Day
GT644	Datamate / PSI Readout.....	\$30 / Day - \$200 / Month
GT254	Dynamic Cone Penetrometer (DCP).....	\$60 / Day
GT997	TZSPile Software	\$100/day

Groundwater Monitoring and Sampling Equipment

GW686	Water Level Chart Recording Equipment.....	\$25 / Day
GW166	Electric Data Logger with Transducer.....	\$125 / Day
GW163	Portable Computer.....	\$30 / Day
GW134	Pneumatic Piezometer Readout Control.....	\$30 / Day
GW183	Submersible Sampling Pump.....	\$80 / Day
GW106	Interface Probe.....	\$45 / Day
GW131	Water Level Indicator.....	\$20 / Day
GW131	Water Level Recording Device.....	\$60 / Day
GW226	Peristaltic Pump.....	\$35 / Day
GW109	Sediment Sampler.....	\$15 / Day
GW113	Submersible Pump - (Small).....	\$25 / Day
GW699	Digital Scale.....	\$10 / Day

Environmental Monitoring Equipment

EM120	Photoionization (HNu) Meter.....	\$80 / Day - \$320 / Week
EM159	Flame Ionization Detector (FID).....	\$150 / Day - \$500 Week
EM122	Quad-Gas Meter.....	\$25 / Day - \$100 / Week
EM863	Portable Air Sampling Pump.....	\$180 / Week
EM135	pH Meter.....	\$30 / Day
EM136	Specific Conductivity Meter.....	\$25 / Day
EM137	Dissolved Oxygen Probe.....	\$25 / Day
EM856	X-Ray Florescerice Detector.....	\$150 / Day - \$500 / Week
EM817	Small Bore Soil Sampling Probe.....	\$75 / Day
EM325	Level Trol.....	\$80 / Day - \$240 / Week
EM326	Level Troll Reader.....	\$25 / Day - \$100 / Week
EM851	Microscope and Supplies.....	\$50 / Day - \$200 / Week
EM292	Eagle Methane Detector.....	\$65 / Day
EM126	H2S/CO - Single Gas Meter.....	\$12 / Day - \$32 / Week
EM667	Drager Tubes / Pump.....	\$12 / Day

Equipment rented by NTH Consultants, Ltd. for use on any specific project will be charged at cost plus 15%.

2022 SCHEDULE OF EQUIPMENT USAGE RATES

NTH Consultants, Ltd. will provide the following equipment for use on projects for which we are performing consulting services. The equipment will be charged to the project for the duration of its use on the project. In addition to personnel charges, the following rates will apply:

Usage Codes

Environmental Health Personal Safety Protection Equipment

EH117	Level D.....	\$35 / Person / Day
EH116	Level C	\$80 / Person / Day
EH115	Level B.....	\$170 / Person / Day
FR115	FR-Arc Rated Equipment.....	\$30 / Person / Day

Concrete / Asphalt Equipment

CA738	Floor Profiling Device.....	\$60 / Day
CA147	Windsor Probe Equipment.....	\$30 / Day & \$28 / Probe
CA160	Pachometer (R-Meter).....	\$30 / Day
CA194	Concrete Coring Equipment.....	\$85 / Day
CA223	Generator.....	\$75 / Day
CA180	Rotary Hammer Drill.....	\$30 / Day
CA190	Asphalt Field Marshall Test Equipment.....	\$50 / Day
CA645	DR-Meter.....	\$25 / Day
CA193	Borescope.....	\$50 / Day
CA681	Rapid Relative Humidity / Temperature Meter.....	\$35 / Day
CA683	Spotting Scope.....	\$15 / Day
CA684	Swiss Hammer.....	\$15 / Day
CA685	Tie Locator.....	\$25 / Day
CA816	Moisture Emission Test Kit.....	\$28 / Day
CA753	Ferroscan - Steel Reinforcement Detection System	\$250 / Day
CA752	Impact Echo Equipment (Thickness).....	\$50 / Day
CA647	Coating Thickness Gauge.....	\$25 / Day
CA749	Thermocouples.....	\$25 / Day
CA678	Traffic Control.....	\$10 / Day
CA695	Hand Power Tools.....	\$15 / Day
CA174	Moisture Meter.....	\$10 / Day

Steel Equipment

SE114	Ultrasonic Equipment.....	\$60 / Day
SE221	Torque Wrench Calibration Apparatus (Skidmore).....	\$40 / Day
SE643	Paint Thickness Gauge.....	\$25 / Day
SE720	Dye Penetrant Test Material.....	\$20 / Day
SE721	Hardness Tester.....	\$40 / Day
SE723	Magnetic Particle Equipment - Prods.....	\$60 / Day
SE722	Magnetic Particle Equipment - Yoke.....	\$25 / Day
SE724	Torque Wrench.....	\$15 / Day

Equipment rented by NTH Consultants, Ltd. for use on any specific project will be charged at cost plus 15%.

/ 2022 SCHEDULE OF EQUIPMENT USAGE RATES

NTH Consultants, Ltd. will provide the following equipment for use on projects for which we are performing consulting services. The equipment will be charged to the project for the duration of its use on the project. In addition to personnel charges, the following rates will apply:

Usage Codes

Roofing Equipment

RE 207	Infrared Moisture Detection Equipment.....	\$100 / Person / Day
RE 215	Electrical Capacitance Moisture Detection Equipment	\$50 / Day
RE 220	Troxler Nuclear Roof Moisture Gauge.....	\$50 / Day
RE 639	Digital Camera / Software.....	\$25 / Day
RE 168	Video Recorder.....	\$50 / Day
RE 217	Roof Wind Uplift Equipment.....	\$50 / Day

Various Test and Field Equipment

VE 100	Troxler Nuclear Moisture Density Gauge.....	\$50 / Day - \$175 / Week
VE267	Housel Penetrometer.....	\$20 / Day
VE268	Vacuum Box for Field Testing of Geosynthetics.....	\$30 / Day
VE690	Field Proctor Set.....	\$40 / Day
VE139	Four-Wheel Drive Vehicle, Excluding Mileage.....	\$60 / Day
VE195	Field Office Trailer.....	\$240 / Month
VE201	Field Laboratory	
VE202	Soils Only.....	\$325 / Month
VE204	Soils and Concrete.....	\$500 / Month
VE948	Asphalt.....	\$50 / Day - \$325 / Month
VE727	Cellular Phone (Field Projects).....	\$15 / Day
VE728	Metal Detector.....	\$25 / Day
VE156	Air Compressor.....	\$30 / Day
VE328	Survey Equipment.....	\$30 / Day
VE278	Gator (Off Road 4 x 4).....	\$60 / Day - \$250 / Week
VE172	Sokkia Set 3 Total Station.....	\$400 / Week
VE870	Measuring Wheel.....	\$6 / Day
	Water Penetration Test ASTM 1105.....	\$350 / Week

Tunnel Inspection Equipment

TI 208	Tunnel Safety Equipment, including: Lights, Breathing Apparatus, Gas Meters, Fall Control Device, Rope Ladder, Walking Sticks, Boots, and Protective Equipment	
TI 209	10 Minute ESEA Escape Pack.....	\$15 / Day - \$35 / Week
TI 210	5 Minute ESEA Escape Pack.....	\$15 / Day - \$35 / Week
TI 200	30 Minute SCBA.....	\$50 / Day
TI 212	50 Foot Fall Control Device.....	\$100 / Day
TI 216	Tunnel Ventilator.....	\$75 / Day

Equipment rented by NTH Consultants, Ltd. for use on any specific project will be charged at cost plus 15%.

General Conditions

PROJECT NO: OP22000037

DATE: 01/18/2022

STANDARD OF CARE

In performing its professional services, NTH will use that degree of care and skill ordinarily exercised, under similar circumstances, by members of its profession practicing in the same locality at the same time and providing the same or similar services. The standard of care shall be the standard existing at the time NTH's services were rendered. No warranty, express or implied, is made or intended by NTH's performance of any services, proposal for professional services, furnishing oral or written reports, or observation of any work. Client recognizes that actual conditions may vary from those encountered at the locations where tests, borings, surveys or explorations are made by NTH or provided by others, and that NTH's data, interpretations and recommendations are based solely on information available to NTH that it deems reliable and material to the performance of its professional services. NTH will be responsible for its data, interpretations and recommendations, but shall not be responsible for the interpretation by others of information developed or relied upon by NTH. Client also recognizes that observation of construction by a qualified engineering firm is essential to verify that designs are appropriate for actual site conditions. Except for NTH's employees acting within the scope of their employment, and contractors and subconsultants retained by NTH acting within the scope of their retention by NTH, Client agrees that NTH shall not be responsible for any acts or omissions of any contractors, consultants, and suppliers, or other persons, whether for site safety, the quality of work or the failure to furnish or perform their work in accordance with their contract documents. The parties agree that the services and information provided by NTH are solely for the Client's guidance, and the extent that the Client provides information from NTH to third parties for services, Client will first require the third party, by contract or otherwise by waiver, to agree that NTH owes no duty in contract, tort, or otherwise to the third party for any services or information provided by NTH to Client, whether related to NTH's design, investigation, construction administration, or any other services.

LIMITATION OF PUBLIC LIABILITY INSURANCE

NTH represents and warrants that NTH and its agents, staff and consultants employed by NTH are protected by worker's compensation insurance and that NTH has coverage under public liability and property damage insurance policies which NTH deems to be adequate. Certificates for all such policies of insurance can be provided to the Client upon request. Subject to the terms, conditions, and limits of such insurance, for any claim by a third party, NTH agrees to indemnify and save Client harmless from and against any loss, damage, or liability to the extent caused by any negligent acts of NTH, its agents, staff, consultants or contractors employed by NTH. NTH shall not be responsible for any loss, damage, or liability to the extent such loss, damage, or liability is not covered by such insurance. NTH shall not be responsible for any loss, damage, or liability arising from any negligent acts by Client, its agents, staff, representatives and other consultants employed by Client.

LIMITATION OF PROFESSIONAL LIABILITY

NTH represents and warrants that NTH has professional liability insurance coverage which it deems to be adequate. Certificates describing NTH's coverage can be provided to the Client upon request. Notwithstanding any other provisions of these General Conditions, NTH's proposal for professional services and any other documents that may be deemed to be a part of its agreement to provide professional services, Client agrees that the total liability for damages, in the aggregate, of NTH, its officers, directors, employees, agents, contractors and subconsultants to Client or anyone claiming by, through or under Client, for any and all actions (including, but not limited to, those sounding in tort, contract (express or implied), indemnity, warranty (express or implied), statutory violation or liability, strict liability, negligence, gross negligence, misrepresentation, malpractice) and for all claims (including, but not limited to, those alleging bodily injury, death, property damage, environmental response costs and/or damages, expenses, costs, attorneys' fees, litigation costs) and/or all damages (including, but not limited to, direct, consequential, economic, non-economic and incidental damages) arising from or in any way relating to, directly or indirectly, NTH's professional services under this agreement, shall be limited to \$50,000 or the amount of the fee actually paid NTH for its services under this agreement, whichever amount is greater.

RIGHT OF ENTRY

Unless otherwise agreed, to the extent it is necessary for NTH to enter onto property in order to perform its services, Client shall furnish right of entry on the land sufficient for NTH to perform its services. NTH has not included in its fee costs for rectifying damages that may result from NTH's operations. If NTH is required to restore the property to its former condition, additional charges will be added to its fee sufficient to cover the restoration work, including NTH's standard profit factor.

CONSTRUCTION OBSERVATION

If construction observation is included in NTH's proposal, NTH shall visit the project site at such intervals and for such durations as it deems appropriate, or as otherwise agreed to in writing by Client and NTH. Such visits and observations and any comments or reports generated from such visits and observations shall not impose any liability on NTH beyond that set forth in this agreement, or relieve any contractor from its contractual obligations. All construction contractors shall be solely responsible for construction site safety, the quality of their work and adherence to the contract documents. NTH shall have no authority or obligation to direct any contractor's actions or stop any contractor's work. Further, unless specifically agreed in writing, Client agrees that NTH shall have no duty or responsibility for performing, furnishing, implementing, supervising, or evaluating any designs for the project. Client agrees that NTH's services under this agreement are not performed pursuant to a special agreement under Michigan law.

HAZARDOUS MATERIALS

Client represents that Client has made a reasonable effort to evaluate whether hazardous materials, including gases, are on or near the project site, and that Client has informed NTH of Client's findings relative to the possible presence of such materials. Hazardous materials may exist at a site where NTH has no reason to believe they could or should be present. NTH and Client agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of NTH's scope of services or allowing NTH to terminate its services, at NTH's sole discretion. NTH and Client agree that hazardous materials

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may make it necessary for NTH to take immediate measures to protect health and safety. Client agrees to indemnify NTH fully (as set forth below) and compensate NTH for any liability of any nature, equipment decontamination and other costs incident to the discovery of hazardous materials.

NTH agrees to notify Client when hazardous materials or suspected hazardous materials are encountered. Client agrees to make any disclosures required by law to the appropriate government agencies. Client also agrees to hold NTH harmless for any and all consequences of any required disclosures made by NTH. If Client does not own the project site, it is Client's responsibility to inform the property owner of the discovery of hazardous materials or suspected hazardous materials.

Notwithstanding any other provisions of the agreement, Client waives any claim against NTH for losses, damages, liabilities, and costs (including, without limitation, court costs and attorneys' fees) arising out of, or in any way connected with, the presence, discharge, release, escape, or reporting of hazardous materials or suspected hazardous materials, including, but not limited to, any costs created by delay of the project and any cost associated with possible reduction of the property's value. Further, to the maximum extent permitted by law, Client agrees to defend, indemnify, and save NTH harmless from any claims, losses, damages, liabilities, and costs (including, without limitation, court costs and attorneys' fees) arising out of, or in any way connected with, the presence, discharge, release, escape, or reporting of hazardous materials or suspected hazardous materials, including, but not limited to, any costs created by delay of the project and any cost associated with possible reduction of the property's value. Client will be responsible for proper disposal of any samples secured by NTH which NTH deems to be contaminated.

BIOLOGICAL POLLUTANTS

Unless specifically stated in its proposal, NTH's scope of services does not include the investigation or detection of the presence of any Biological Pollutants in or around any structure. Client agrees that NTH shall have no liability for any claim regarding bodily injury or property damage alleged to arise from or be caused by the presence of or exposure to any Biological Pollutants in or around any structure. In addition, Client shall defend, indemnify, and hold harmless NTH from any third-party claim for damages alleged to arise from or be caused by the presence of or exposure to any Biological Pollutants in or around any structure, except for damages arising from or caused by NTH's sole negligence. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and the byproducts of any such biological organisms.

UTILITIES

In the execution of its services, NTH will take reasonable precautions to avoid damage or injury to subterranean structures or utilities made known to NTH by Client or a public utility locating service. Client agrees to hold NTH harmless for any damages to subterranean structures that are not called to NTH's attention and correctly shown or described on the documents furnished.

NON-SOLICITATION

Client agrees that during the course of its engagement with NTH and for a period of one (1) year after that relationship ends, regardless of the reason for separation, Client will not, directly or indirectly, either as an owner, employee, salesperson, consultant, director, independent contractor or in any other capacity, solicit, entice, induce or encourage any employee to leave employment with NTH.

OWNERSHIP OF DOCUMENTS

All reports, drawings, plans, specifications, field data, field notes, calculations, estimates and other documents prepared by NTH, as instruments of service, shall be for the Client's use only on this project and shall remain NTH's property. Electronic data, including, but not limited to, CADD drawings, databases, word processor documents, and/or spreadsheets, are provided as an accommodation only. Paper documents are the contract deliverables.

Client assumes the risk that electronic data may differ from the paper deliverables, due to inaccurate translations or unreadable files. Further, Client agrees to hold harmless and indemnify NTH for any changes or modifications made by others to the electronic data. Client agrees that all reports and other work product furnished to the Client or its representatives, will be returned upon demand and will not be used by the Client for any purpose whatsoever, unless otherwise specifically agreed by NTH. NTH will retain records relating to the services performed that NTH decides to retain in its sole discretion for a period of five (5) years following submission of the report, during which period the records will be made available to the Client at reasonable times for a reasonable fee.

INVOICING

Invoices will be submitted to the Client monthly and a final invoice will be submitted upon completion of NTH's services. Each invoice is due upon presentation, and is past due thirty (30) days from invoice date. Client agrees to pay the time-price differential of 1 1/2% per month on past due accounts, plus any costs and attorney fees incurred in recovering the late payment. NTH reserves the right to suspend or terminate services under this agreement upon failure of Client to pay NTH's invoices when due.

RESOLUTION OF DISPUTES

All claims, disputes and other matters in controversy arising out of or in any way related to this agreement shall be submitted to non-binding mediation through and in accordance with the mediation rules of the American Arbitration Association as a condition precedent to any litigation or arbitration.



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TIME TO BRING CLAIMS, JURISDICTION, VENUE, CHOICE OF LAW

Client agrees that any claims it may have and its right to pursue any such claims under this agreement with NTH, whether the existence of any such claims is discovered or not, shall expire the earlier of two (2) years following the completion of NTH's services under this agreement, or the expiration of any applicable statutes of limitations or statute(s) of repose, whichever is earlier. The Parties agree that any legal proceedings between the Parties shall exclusively be brought, at NTH's sole discretion, in either arbitration in Michigan pursuant to the American Arbitration Association Construction Rules or in a Michigan court. Should NTH select the legal proceedings to be in a Michigan court, then the Parties agree to a bench trial, and hereby waive any right to a trial by jury.

Client agrees to submit to the jurisdiction of the courts of Michigan and waives any and all defenses based upon lack of personal jurisdiction, forum non-conveniens and the like. Client and NTH further agree that the prevailing party will be entitled to recover all reasonable costs incurred in any such legal proceedings (including upon appeal and for enforcement of any judgment), including NTH staff time charges (if NTH is the prevailing party), court costs, attorneys' fees and other claim related expenses, subject only to the foregoing limitation of liability. Should neither party prevail on all of their claims or receive all of the relief they sought, then the substantially prevailing party shall be awarded such fees and costs. Client acknowledges and understands that the foregoing presumes that Client has first satisfied the non-binding mediation requirement set forth in Resolution of Disputes, above. No time limitation set forth in this Time To Bring Claims, Jurisdiction, Venue, Choice of Law provision shall be extended or tolled for any period of time by Client's failure to satisfy the Resolution of Disputes provision, or by any ongoing non-binding mediation between Client and NTH pursuant to the Resolution of Disputes provision.

TERMINATION

This agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof. Such termination shall not be effective if that substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, NTH shall be paid for services performed to the termination notice date plus reasonable termination expenses. Client agrees that a substantial failure to perform shall include failure fully to pay an invoice within fourteen days of the date payment is due.

In the event of termination, or suspension for more than three (3) months, prior to completion of all reports contemplated by this agreement, NTH may complete such analyses and records as are necessary to complete its files and may also complete a report on the services performed to the date of notice of termination or suspension. The expenses of termination or suspension shall include all NTH's direct costs in completing such analyses, records and reports.

NON-ASSIGNMENT

Client shall not assign any of its duties, rights and interest in this agreement without the prior written consent of NTH. Nothing in this agreement shall be construed to create, impose or give rise to any duty owed by NTH to any third party. All duties undertaken under this agreement by NTH are for the sole and exclusive benefit of Client. There are no intended third-party beneficiaries of this agreement or of the services to be performed by NTH under this agreement. Should a court find otherwise, it is the intent of the parties that such third-party beneficiary be bound by and subject to all of the terms and conditions of this agreement.

OTHER DOCUMENTS/CONTRACT MERGER

Client agrees that these General Conditions shall prevail over any conflicting provisions of any other documents that may be considered to be part of this agreement. This agreement shall include the proposal to which these General Conditions are attached or in which reference is made to these General Conditions, together with all other documents attached to such proposal and referenced in such proposal as being a part of the basis upon which NTH has agreed to undertake professional services. All other understandings, discussions, agreements, proposals, correspondence, electronic mail and other communications of any descriptions pre-existing this agreement are merged into and superseded by this agreement. This agreement constitutes the parties' complete, entire and final understanding of the subject matter of this agreement.

SEVERABILITY

If any provisions of this agreement are found to be void or unenforceable for any reason, the remainder of this agreement shall continue in full force and effect, and the court shall attempt to judicially reform the void or unenforceable provisions to the maximum extent possible, consistent with the intent evidenced by the provisions, to render it valid and enforceable. If the court is unable to reform the provisions, the court shall strike only those provisions which are invalid or unenforceable, and this agreement shall then be construed without reference to the void or unenforceable provisions.

**Grand Traverse County Septage Treatment Facility
SBR Tank Concrete Repair, Engineer's Opinion of Probable Cost**

NTH Project: 61-200462

5/7/2021

BID ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	BID AMOUNT
General Conditions				
Mobilization/Demobilization, 5% of Subtotal	1	LS	\$ 1,885	\$ 1,885
Estimated Insurance & Bonds, 3% of Subtotal	1	LS	\$ 1,131	\$ 1,131
General Conditions Subtotal:				\$ 3,015
Concrete Repairs				
Roof Slab, Shallow Concrete Repairs	15	SQFT	\$ 250	\$ 3,750
Deep Concrete Repair, Engineer Directed	4	SQFT	\$ 275	\$ 1,100
Concrete Repairs Subtotal:				\$ 4,850
Crack Repairs				
External Walls - Rout and Seal, Vertical Cracks	88	LFT	\$ 80	\$ 7,040
Crack Repairs Subtotal:				\$ 7,040
Concrete Penetrating Sealer				
Roof Slab - Concrete Penetrating Sealer	3100	SQFT	\$ 4	\$ 12,400
External Walls - Concrete Penetrating Sealer	3350	SQFT	\$ 4	\$ 13,400
Concrete Penetrating Sealer Subtotal:				\$ 25,800
Subtotal Bid Amount:				\$ 40,705
Contingency:	20%			\$ 8,141
Engineer's Opinion of Construction Cost:				\$ 49,000.00